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ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1958

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
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ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1958. It is the eighth report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1884 stations was occupied during 12 monthly multivessel cruises over the quarter-million square mile survey area which extends from the California-Oregon border to Cape San Lucas, Mexico and seaward to several hundred miles. The data are listed in a series of 6 tables; the background, methodology, and information necessary for interpretation and quantitative analysis of the data are presented in an accompanying text. All pertinent station and tow data, including volumes of water strained and standard haul factors are listed in the first table. Another key table lists, by station and month, standardized counts of each of the 151 larval fish categories identified from survey samples. This and previous and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the newly developed computer data base.

INTRODUCTION

This report, the eighth of a series, provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) joint biological-oceanographic survey cruises conducted in 1958. This program was initiated in 1949, under the sponsorship of the Marine Research Committee of the State of California, to study the population fluctuations of the Pacific sardine (*Sardinops sagax*) and the environmental factors that may play a role in such fluctuations. CalCOFI, known as the California Cooperative Sardine Research Program from 1949 to 1953, was made up of representatives of the South Pacific Fisheries Investigations (SPFI) of the U.S. Fish and Wildlife Service [now the La Jolla Laboratory, National Marine Fisheries Service (NMFS)], the Scripps Institution of Oceanography (SIO), the California Department of Fish and Game (CDFG), the California Academy of Sciences (CAS) and the Hopkins Marine Station of Stanford University. The first three of these agencies supplied ships and personnel to conduct the sea surveys. NMFS processed the plankton samples and analyzed the ichthyoplankton from them. SIO processed and analyzed the hydrographic samples and measurements and also analyzed invertebrate groups from the plankton samples.

The boundaries, station placement, and sampling frequency for the CalCOFI survey area were based on the results of joint biological and oceanographic cruises conducted by NMFS and SIO during 1939-41. Those cruises were designed to collect sardine eggs and larvae and associated hydrographic data over the entire areal and seasonal spawning range of the species. On these

survey cruises, plankton tows were made to 70 m, a depth which encompassed the vertical distribution of sardine eggs and larvae. Wide-ranging joint biological and oceanographic survey cruises were resumed in 1949 with sardine as the focus; however, an increasing interest in other biological components resulted in the deepening of standard tows to 140 m in 1951. This marked the beginning of truly quantitative ichthyoplankton sampling on CalCOFI surveys.

Data resulting from CalCOFI surveys in 1958 have been published in a number of forms. Hydrographic data (Reid et al., 1965), zooplankton volumes (Thrailkill, 1961; Smith, 1971) and ichthyoplankton data for selected species (Kramer, 1971) were presented in standard formats. The latter lists counts for eggs and larvae of sardine and for larvae of northern anchovy (*Engraulis mordax*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), Pacific hake (*Merluccius productus*), and rockfishes (*Sebastes* spp.). Also, length frequencies are listed for sardine, anchovy, jack mackerel, and Pacific mackerel larvae. Distribution maps of larvae of 5 of these taxa taken on CalCOFI surveys during 1958 are presented in the CalCOFI Atlas series (Kramer and Ahlstrom, 1968; Ahlstrom, 1969; Kramer, 1970; Ahlstrom et al., 1978). Other atlases provided distribution maps of 6 mesopelagic fish larvae (Ahlstrom, 1972) and 8 flatfish taxa (Ahlstrom and Moser, 1975) taken during 1958.

A computer data base for eggs and larvae of sardine and anchovy and for larvae of hake, and the two mackerels was established in 1969. The development of a data base for other fish larvae is a complex undertaking because competency of identification has evolved steadily over the past 38 years. We began the task of producing a CalCOFI ichthyoplankton data base and associated data report series in 1983. All available original records for 1958 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987a, b; Sandknop et al., 1987; Stevens et al., 1987a, b; Sumida et al., 1987a, b) and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the computer data base. The data base will be modified when additional errors are discovered and when composite taxa from the earlier years are reidentified. These reports are the fundamental reference documents against which subsequent changes in the data base can be compared.

SAMPLING AREA AND PATTERN

In 1958, CalCOFI survey cruises were conducted at monthly intervals. A total of 1884 stations included in this data base was occupied on 12 cruises, with an average of 157 stations per cruise (range of 37-272). Coverage of the survey station pattern varied among cruises and the entire quarter-million square mile survey area was not covered on any single cruise

(Figures 1-13; Table 1). The area off northern California (lines 40-57) was not routinely surveyed; this area was only partially covered on three cruises in April, June, and July. The area off central California (lines 60-77) was surveyed on seven cruises: January, March through July, and October. The area between Pt. Conception, California and Pt. San Juanico, Baja California (lines 80-137) was surveyed monthly. In September coverage north of line 110 was limited to two lines in the southern California Bight and in November and December there was no coverage south of line 100. The area off southern Baja California (lines 140-157) was surveyed in January, February, March, and October. Coverage extended seaward to station 145 (ca. 400-500 miles offshore) on lines 80-100 during April, but typically did not extend beyond station 90 (ca. 160-250 miles offshore). Offshore coverage was greatest between January and July and generally diminished during later cruises.[1]

Six vessels were employed on these cruises: the *Black Douglas* of NMFS, and the *Horizon*, *Orca*, *Paolina T.*, *Spencer F. Baird*, and the *Stranger* of SIO. One to four vessels participated on each cruise, with cruises in April, July, and October employing the maximum of four vessel. The *Black Douglas* was used on all cruises except February, November, and December. The *Stranger* participated in 8 cruises (January-July, October) and the *Paolina T* participated in 7 cruises. The other 3 vessels were used on a total of 6 cruises (Thrailkill, 1961).

SAMPLING GEAR AND METHODS

The standard CalCOFI net used from 1949 to 1969 had a 1-m diameter mouth opening (0.785 m^2 area) and an overall length of about 5 m. The net was constructed of 30xxx gauze, a heavy duty grade of silk bolting cloth, with a mesh size of 0.55 mm after shrinkage. The last 40 cm of the cone and the cod end were constructed of 56xxx grit gauze which had a mesh size of 0.25 mm after shrinkage. On parts of 3 cruises during 1958 (5804, 5805, 5807) the standard net was replaced with one constructed of nylon. Construction of the nets was similar; however, the nylon

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[1]CalCOFI lines (Figure 14) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

nets had mesh sizes of 0.471 mm for the net body and 0.280 mm for the end of the cone and the cod end (Smith, 1971). The net ring was fastened to a short 3-lead bridle connected to several meters of line which attached to the towing cable by a clamp. A current meter was suspended in the center of the net mouth to measure volume of water filtered (see Kramer et al., 1972, for further details).

The standard tow from 1951 through 1968 was an oblique haul to 140 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. $3m^3/m$ of depth) over the vertical range of most ichthyoplankters. Hauls were made at a ship speed of 1.5-2.0 knots and initiated by clamping the net line to the towing cable with the 45 kg terminal weight about 10-15 m below the surface. The net was lowered to 140 m depth by paying out 200 m of wire over a 4 minute period (35 m of depth/min.). After fishing at depth for 30 seconds, the net was retrieved at 20 m/min. (14 m depth/min.). The angle of stray of the towing cable was recorded every 30 seconds and maintained at 45° ($\pm$3°) by adjusting the ship speed and course. After reaching the surface, the net was washed down and the samples preserved in 5% formalin buffered with sodium borate. Flowmeter readings were made at the beginning and end of each tow. Detailed descriptions of gear and methods are given by Kramer et al. (1972) and Smith and Richardson (1977).

LABORATORY PROCEDURES

Laboratory processing began with the determination of a displacement volume for each sample (methods described in Staff, SPFI, 1953 and Kramer et al., 1972). Zooplankton volumes (including ichthyoplankton) of samples collected in 1958 are listed in Thrailkill (1961) and presented graphically in Smith (1971).

Sorting involved the removal of ichthyoplankton from the sample and identification and separation of eggs and larvae of selected species (see introduction). Usually, each sample was sorted completely; however, some of the samples were fractioned into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Several criteria[2] were used to determine whether a sample was fractioned: samples containing an abundance of thaliacians and coelenterates and exceeding 150 ml in total plankton volume were fractioned (to 50%, 25%, 12.5%, or 6.25%) to approximate a reduced volume of 50 ml for sorting; samples with an excessive quantity of fish eggs and/or larvae were occasionally fractioned to expedite the sorting process in order to meet scheduled deadlines. If the identified fraction of an aliquot yielded rare or interesting species of fish larvae, the remaining fraction was frequently sorted and identified with the

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[2]Personal communication, James R. Thrailkill, National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, CA.

intent of finding additional specimens. Aliquot percentages for fractioned samples from 1958 are listed in Table 1 under the "Percent Sorted" column.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the number in 10 m^3 of water strained per meter of depth fished. If the vertical distribution of the species has been encompassed, then the adjusted value is equivalent to the number under 10 m^2 of sea surface. The SHF is calculated for each haul by the formula:

$$SHF = \frac{10\ D}{V}$$

where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m)

V = total volume of water (m^3) strained during the haul

$$V = R \cdot a \cdot p$$

where R = total number of revolutions of the current meter during the haul

a = area (m^2) of the mouth of the net

p = length of column of water (m) needed to produce one revolution of the current meter.

Tow depth, volume of water strained, and standard haul factor are listed in Table 1 for each tow taken during 1958. Detailed descriptions of factors involved in calculating these values are presented in Ahlstrom (1948), Kramer et al. (1972), and Smith and Richardson (1977).

IDENTIFICATION

Identification of ichthyoplankton species beyond those separated during the sorting process was carried out by a separate group of specialists. Ontogenetic stages of fishes are inherently difficult to identify and this is further complicated by the large number and diversity of species which contribute to the ichthyoplankton of the California Current region. Most identifications were accomplished by establishing ontogenetic series on the basis of morphology, meristics, and pigmentation and then identifying these series by relating them to known metamorphic, juvenile, or adult stages with overlapping features (Powles and Markle, 1984). A total of 149 taxa was identified for 1958, with 79 taken to species, 31 to genus, 34 to family,

and 5 to order. Some of the developmental series recognized originally could not be assigned scientific names, particularly in the Bathylagidae, Myctophidae, and Pleuronectiformes. These were given descriptive names, which later were changed to scientific names as they became known.

The task of producing a reliable and equitable ichthyoplankton data base required extensive procedures to verify, correct, and edit the original identifications. The primary data source was the original identification sheets (see Kramer et al., 1972, for examples); however, a critical resource used in all phases of this process was the CalCOFI ichthyoplankton collection in which the samples are archived. Throughout the course of CalCOFI ichthyoplankton studies, samples have been identified to the lowest taxon possible. In reviewing these identifications for the data base, our approach has been conservative and we have preserved those identifications and counts which we could confirm, while correcting as many of the errors as possible. During the coding of the identification sheets, the "descriptive types" were assigned scientific names and reexamined, if necessary. After computer entry, taxonomic errors and inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In many cases, identifications of a taxon were inconsistent among cruises in a year, because of varying competency of identifiers. These records were made equitable by lumping to the higher taxonomic category to avoid biases that could result in quantitative misinterpretations.

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1958 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

Anguilliformes - tentative and sporadic identifications to family or lower taxon lumped to order.

Sardinops sagax - all specimens south of line 120 checked for misidentification of *Opisthonema* spp.

Engraulidae - includes nearshore taxa (mostly *Anchoa* spp.) large enough to separate from *Engraulis mordax*. Some nearshore samples of small *E. mordax* may contain other anchovy genera, but could not be differentiated.

Nansenia spp. - all specimens checked and identified as *N. candida* or *N. crassa*; all specimens of these species near their range boundaries checked.

Bathylagus spp. - all specimens checked; residuals are small, poorly preserved specimens.

Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked.

Paralepididae - tentative and sporadic identifications to genus lumped to family.

Scopelarchidae - tentative and sporadic identifications to genus lumped to family.

Lampanyctus spp. - tentative and sporadic identifications to species (mostly descriptive types) lumped to genus; identification of *L. regalis* and *L. ritteri* begun in 1954.

Lampanyctus regalis - underrepresented because of inability to differentiate small larvae (<5 mm) from those of other species of the genus; counts may include other species of the genus because of difficulty in identifying larvae of this large and complex genus.

Lampanyctus ritteri - comment for *L. regalis* applies to this species.

Diogenichthys atlanticus - all specimens at margins of range checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Electrona rissoi - recognition of this species was inconsistent and others may be included in *Protomyctophum crockeri* or Myctophidae.

Hygophum spp. - all specimens reidentified to species; residuals are small, poorly preserved specimens.

Myctophum aurolaternatum - all specimens checked; originally identified as "Astronesthidae".

Protomyctophum crockeri - some samples on northern lines may contain *P. thompsoni*, which was not identified at the time.

Symbolophorus californiensis - all specimens south of line 120 checked for confusion with *Hygophum* spp., stemming from descriptive names.

Bregmaceros spp. - all gadiform types (see Index), except *Merluccius productus* and Macrouridae, reexamined.

Ophidiiformes - this category did not exist originally and ophidiiform larvae were included in *Brosmophysis marginata*, Carapidae, "*Otophidium*", "Zoarcidae", and "blenny"; identifications of *B. marginata* and Carapidae proved to be mostly correct and "Zoarcidae" to be a yet unidentified ophidiiform species; all "*Otophidium*" and "blenny" were reexamined and the former included *Ophidion scrippsae*, *Chilara taylori* and other ophidiiform taxa (moved to order); "blenny" contained *O. scrippsae*, *C. taylori*, and other ophidiiform taxa in addition to true blennioids.

Ceratioidei - identifications of this group were inconsistent and additional specimens may be in the unidentified fish larva category.

Hemiramphidae - specimen checked.

Trachipteridae - tentative and sporadic identifications to genus were lumped to family.

Melamphaes spp. - all identifications ascribed to Melamphaidae were reexamined and assigned to genus (*Melamphaes*, *Poromitra*) or species (*Scopelogadus bispinosus*); larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain other melamphaid genera.

Cottidae - some samples may include specimens of *Scorpaenichthys marmoratus*, hexagrammids (e.g., *Oxylebius pictus*, *Zaniolepis* spp.), and some blennioids (e.g., *Hypsoblennius* spp.).

Oxylebius pictus - all specimens checked.

Zaniolepis spp. - all specimens checked.

Sebastes spp. - in addition to other scorpaenid genera, category includes *Prionotus* spp., serranids, scombrids, and other spiny-headed shorefishes, particularly in samples south of line 120.

Sebastolobus spp. - this category is underrepresented and additional specimens may be in *Sebastes* spp.

Hypsoblennius spp. - some specimens remain in Cottidae.

Clinidae - some specimens remain in Cottidae or unidentified fish larva category.

Labridae - tentative and sporadic identifications to genus were lumped to family.

Pomacentridae - specimens checked; now includes species other than *Chromis punctipinnis*, primariy in the south.

Chromis punctipinnis - records south of about line 120 may include other pomacentrid taxa.

Apogonidae - all specimens checked.

Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus* and *Seriola lalandi*) were lumped to family.

Seriola lalandi - all specimens checked.

Gerreidae - tentative and sporadic identifications to genus were lumped to family.

Haemulidae - tentative and sporadic identifications to genus were lumped to family.

Girella nigricans - all specimens checked.

Medialuna californiensis - all specimens checked.

Caulolatilus princeps - all specimens checked.

Sciaenidae - tentative and sporadic identifications to genus lumped to family.

Gempylidae - all specimens checked.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reassigned; underrepresentation or absence of these taxa may be attributed to misidentification or they may be in the unidentified fish larva category.

Nomeidae - tentative identifications to genus lumped to family.

Pleuronectiformes - all available specimens of this category (originally called "flatfish") were examined and reidentified; residuals are small, poorly preserved specimens.

Bothidae - all specimens examined and reassigned; most were assigned to various paralichthyid genera or to *Bothus* spp.

Citharichthys spp. - all larvae identified to genus or to a species of the genus from 1954 to 1960 were rechecked and

identified to species; residuals are small, poorly preserved specimens or those with variable taxonomic characters.

Etropus spp. - larvae of this taxon were originally lumped with *Citharichthys* spp.; present records result from complete reidentification of *Citharichthys* spp.

Hippoglossina spp. - all specimens of this genus (originally called "pigmented bothid") were examined and assigned to *H. stomata*.

Paralichthys spp. - all specimens of this genus were examined and most were assigned to *P. californicus* or *Xystreurys liolepis*.

Syacium ovale - all specimens examined (originally called "spiny-headed bothid").

Xystreurys liolepis - originally misidentified as *Paralichthys californicus*; all specimens reidentified.

Glyptocephalus zachirus - all specimens examined.

Hypsopsetta guttulata - specimens were originally identified as *Pleuronichthys* spp.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species; residuals are small, poorly preserved specimens.

COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of California, San Diego Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and saury (*Cololabis saira*); numbers of larvae of sardine, anchovy, hake, jack mackerel, and Pacific mackerel; total number of fish eggs; and total number of fish larvae.

Discrepancies in ichthyoplankton data in these two files were corrected by inspecting original records from the sorting laboratory, the original ichthyoplankton identification sheets, and the samples themselves. Station and tow data discrepancies between the two files were corrected by reviewing ships' logs and

deck tow sheets, original records from the sorting laboratory, cruise announcements, publications, header information on the ichthyoplankton identification sheets, and station plots generated for each cruise. Eventually all station and tow data were checked by comparing these sources.

The corrected ichthyoplankton data base was then examined statistically and outliers were found and checked as above. Distributional plots were then prepared for each taxon and these were checked by reviewing the data sources mentioned above and by examining archived specimens. A listing of each taxon by station (Table 4) was produced, which became the primary document for subsequent checks. Misidentifications found in geographic outlier checks and other misidentifications and data problems discovered in the course of examining archived samples resulted in several iterations of Table 4. Finally, totals in Table 4 were checked against annual summaries of incidence and abundance (Tables 2 and 3). Ecological analyses of the data (Moser et al., 1987) were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Larvae of northern anchovy, *Engraulis mordax*, represented 44.8% of all fish larvae taken on CalCOFI cruises during 1958 and numbered three and one-half times as many as *Vinciguerria lucetia*, a midwater gonostomatid, the next most abundant species with 12.8% (Tables 2 and 3). These species ranked 2nd and 1st in occurrences, respectively. The third most abundant species, Pacific hake, *Merluccius productus*, constituted 12.7% of all larvae and ranked 5th in occurrence. Larvae of *Sebastes* spp., a composite of about 70 species, ranked 4th in abundance and occurrence. Two midwater lanternfishes, *Triphoturus mexicanus* and *Stenobrachius leucopsarus*, ranked 5th and 6th in abundance and 3rd and 9th in occurrence. Larvae of Pacific sardine, *Sardinops sagax*, ranked 7th in abundance but only 18th in occurrence, indicating relatively large sample sizes. A deepsea smelt, *Bathylagus wesethi*, ranked 8th in both abundance and occurrence. Another lanternfish, *Diogenichthys laternatus*, and jack mackerel, *Trachurus symmetricus*, ranked 9th and 10th in abundance and 6th and 12th in occurrence. These 10 top-ranking taxa contributed 88.7% of all larvae taken during 1958. The remaining 11.3% was represented by 151 taxa plus the unidentified and disintegrated categories. Of the 10 taxa, 5 were midwater species, 3 were coastal pelagic species, and 2 were coastal demersal species or generic groupings.

EXPLANATION OF TABLES

Table 1 - This table lists by cruise the pertinent station and tow data for 1958, the volume of water filtered and standard haul factor for each tow, the percent of sample sorted, and the total numbers of fish eggs and

larvae. CalCOFI cruises are designated by four digits; the first two indicate the year and the second two the month. Within each cruise the data are listed in order of increasing line and station number (southerly and seaward directions); the order of station occupancy is shown on the station charts (Figures 2-13). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Decimal fractions were not used in 1958. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: BD, *Black Douglas*; HO, *Horizon*, OR, *Orca*; PT, *Paolina T*; SB, *Spencer F. Baird*; ST, *Stranger*.

Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1958 in ranked order.

Table 3 - This table lists pooled counts of all larval fish taxa taken during 1958 in ranked order. Numbers are adjusted for percent sorted and standard haul factors.

Table 4 - This table gives numbers of fish larvae for each taxon, listed by station and calendar month in which the tow was taken. Counts are adjusted for percent of sample sorted and standard haul factor. Average values are given for stations occupied more than once during a month. See Table 1 for station and tow data and Table 6 for listing of stations with multiple occupancies during a month. Multiple occupancies occurred when a station was occupied more than once in the same calendar month; in some cases, multiple occupancies resulted from separate cruises. The orders are listed in "phylogenetic" sequence modified from Nelson (1984). Subtaxa within each order are listed alphabetically. Page numbers for each taxon are given in the index at the end of the report.

Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1958.

ACKNOWLEDGMENTS

Lois Hunter was primarily responsible for the original identifications of larvae from CalCOFI cruises in 1958 (5801-5809). David Kramer identified larvae from cruises 5810, 5811, 5812, and also a portion of 5804. Ronald Whyte coded each larval fish taxon or type and Rita Ford entered them into the computer. Debby Snow efficiently assisted in all aspects of data editing and retrieval. Cindy Meyer and Larry Zins provided programming assistance. Dorothy Roll designed the CalCOFI data acquisition system and provided data processing support. Ken Raymond, Roy Allen, and Henry Orr helped with graphics and production of the report. Lorraine Prescott and Diane Forsythe prepared the manuscript for printing. Paul Smith determined statistical outliers, provided assistance during geographical outlier checks and offered helpful suggestions throughout the project. Izadore Barrett, Director of the Southwest Fisheries Center and Reuben Lasker, Chief, Coastal Fisheries Resources Division, SWFC, provided the support critical to the completion of the project. James Thrailkill planned CalCOFI surveys and supervised cruises, data handling, and plankton sorting from 1949 to 1986 and is largely responsible for the high quality of these operations. Without the vision and direction of Elbert Ahlstrom and Elton Sette and the dedicated efforts of the many people who collected, processed, and analyzed the samples, this data base would not exist.

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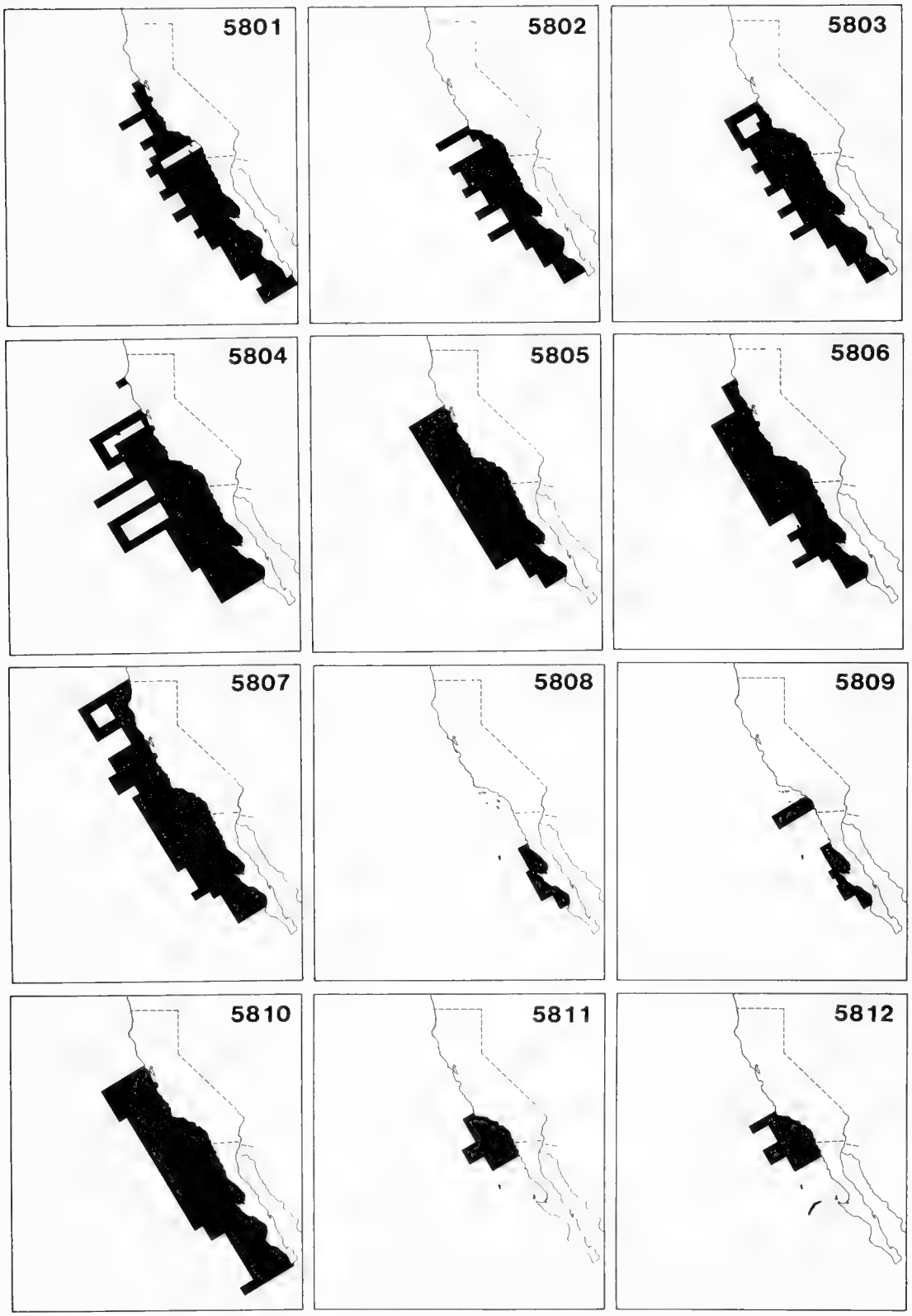

Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1958.

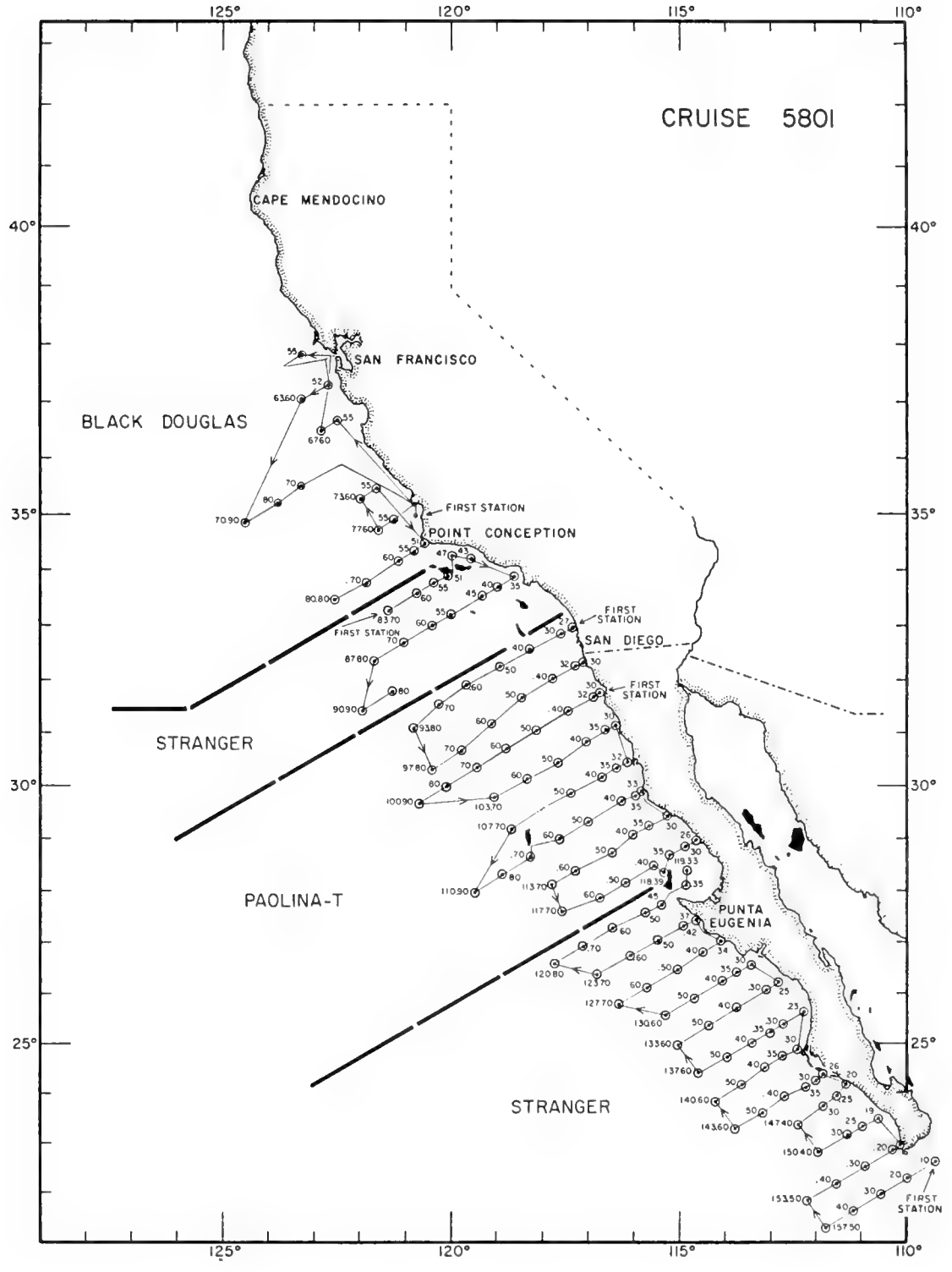

Figure 2. Station pattern for CalCOFI Cruise 5801 showing tracks for each vessel. Stations with plankton tows only are indicated by a dot; those with plankton tows and hydrographic measurements are shown by a dot and circle. Modified from charts in Reid et al. (1965) to include only those stations listed in Table 1 of this report.

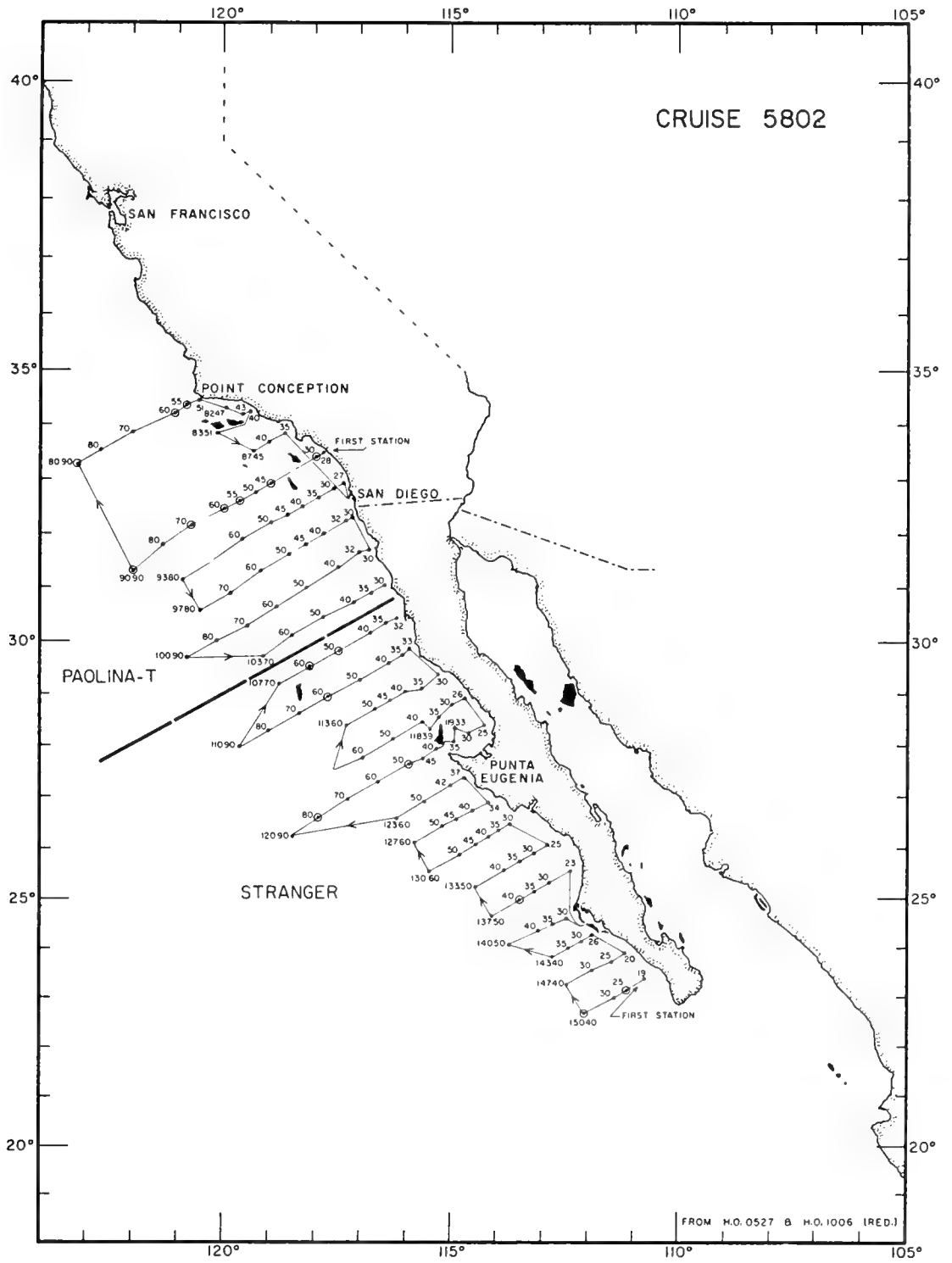

Figure 3. Station pattern for CalCOFI Cruise 5802. Symbols as in Figure 2.

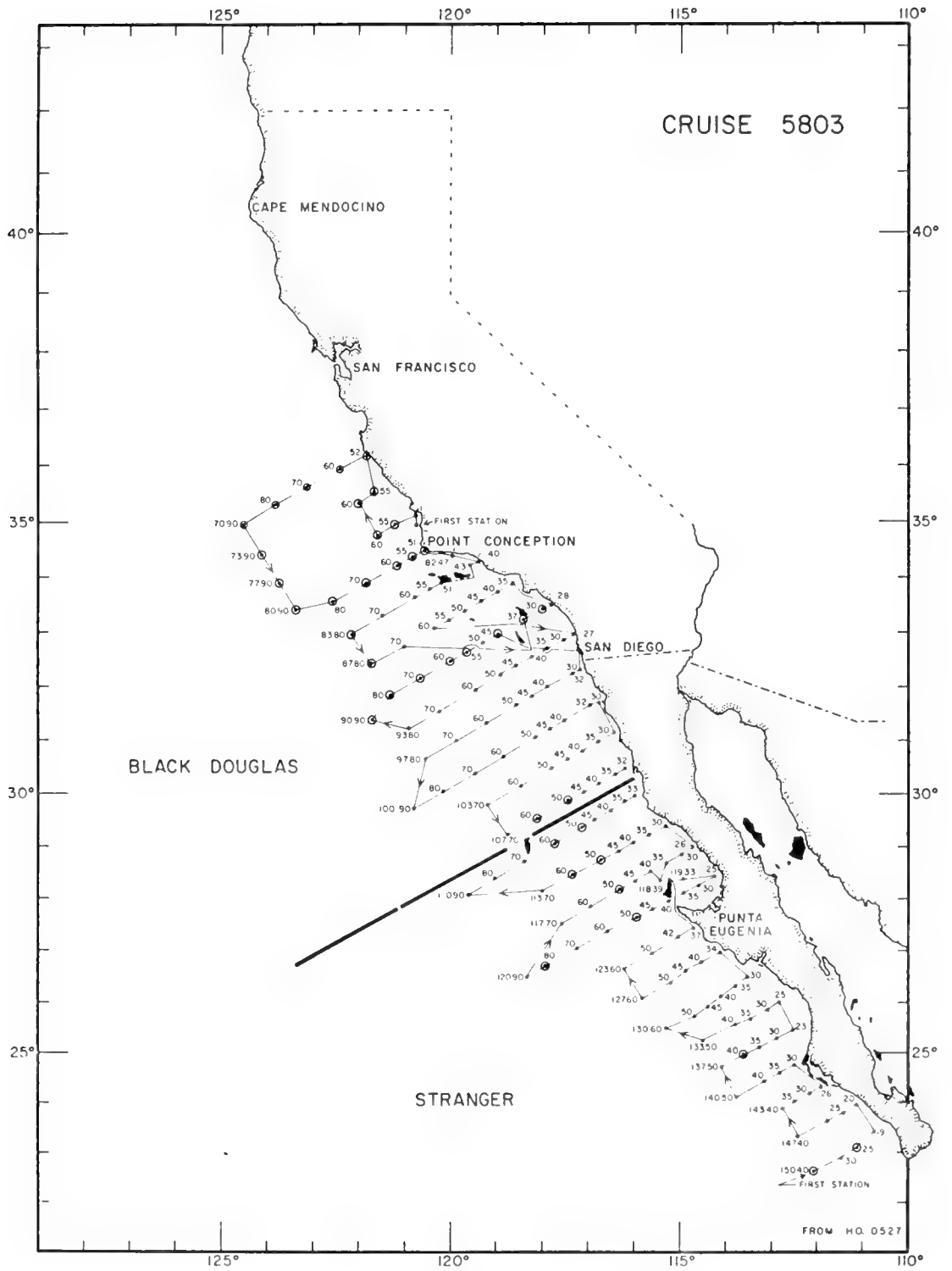

Figure 4. Station pattern for CalCOFI Cruise 5803. Symbols as in Figure 2.

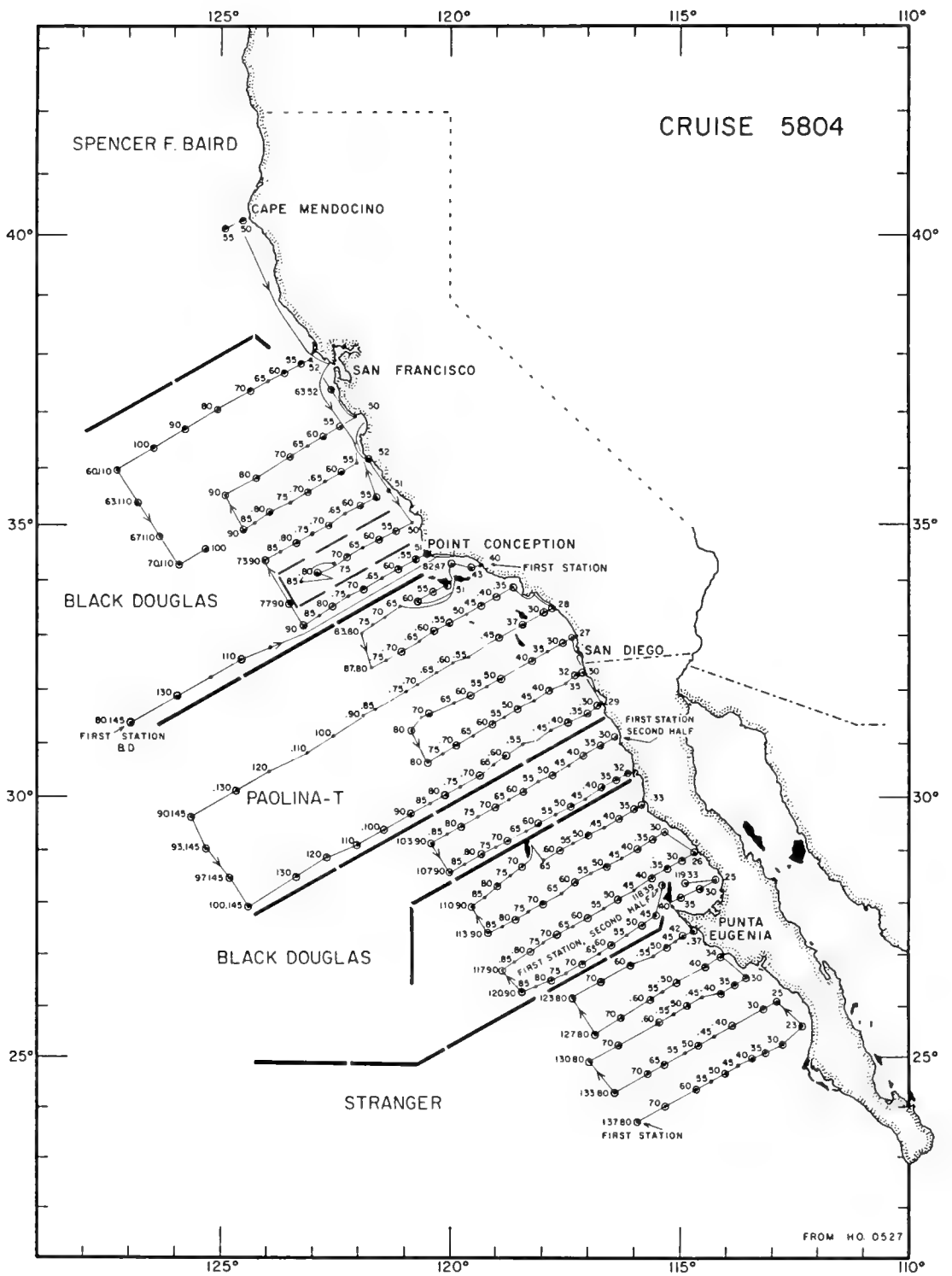

Figure 5. Station pattern for CalCOFI Cruise 5804. Symbols as in Figure 2.

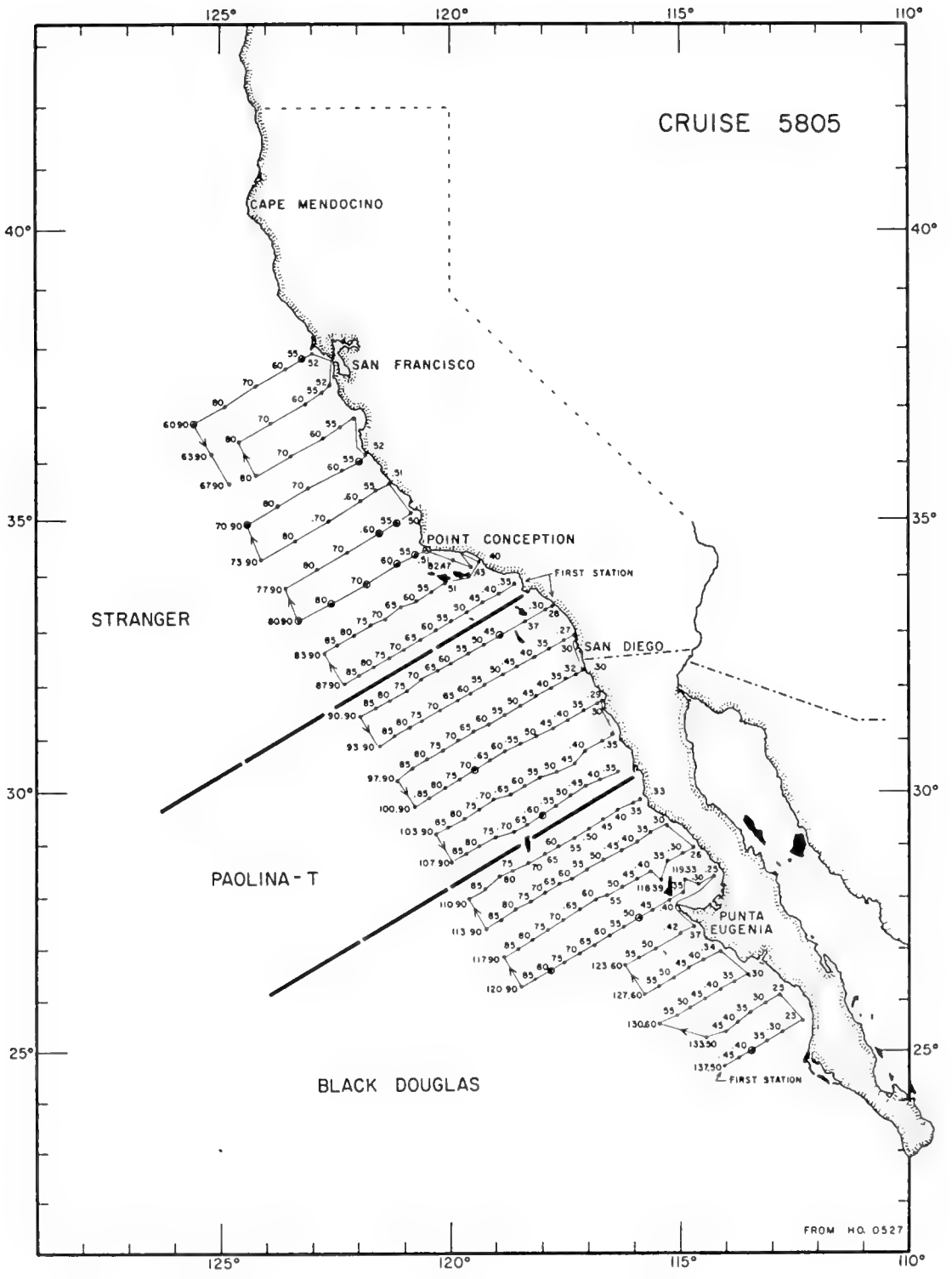

Figure 6. Station pattern for CalCOFI Cruise 5805. Symbols as in Figure 2.

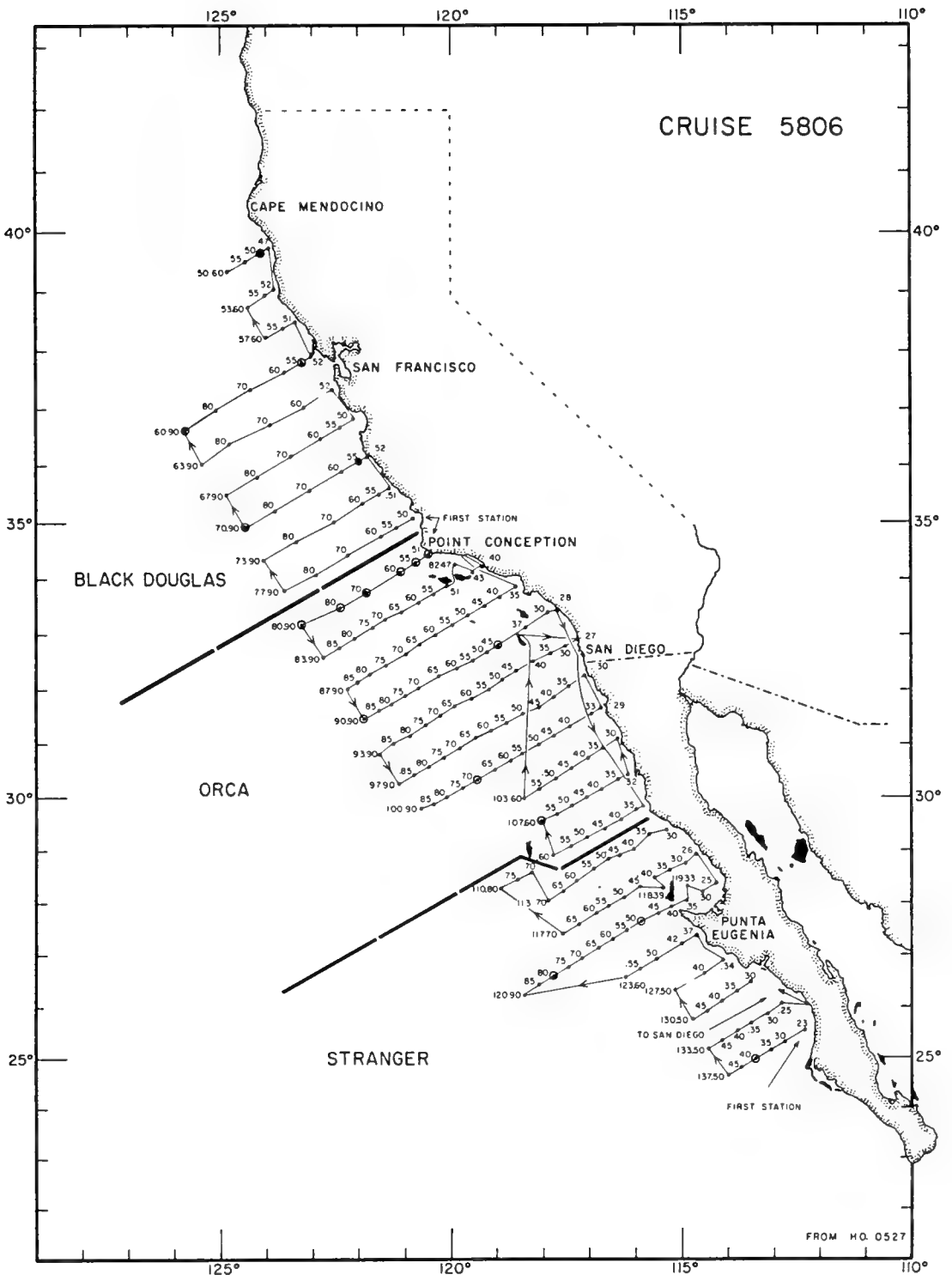

Figure 7. Station pattern for CalCOFI Cruise 5806. Symbols as in Figure 2.

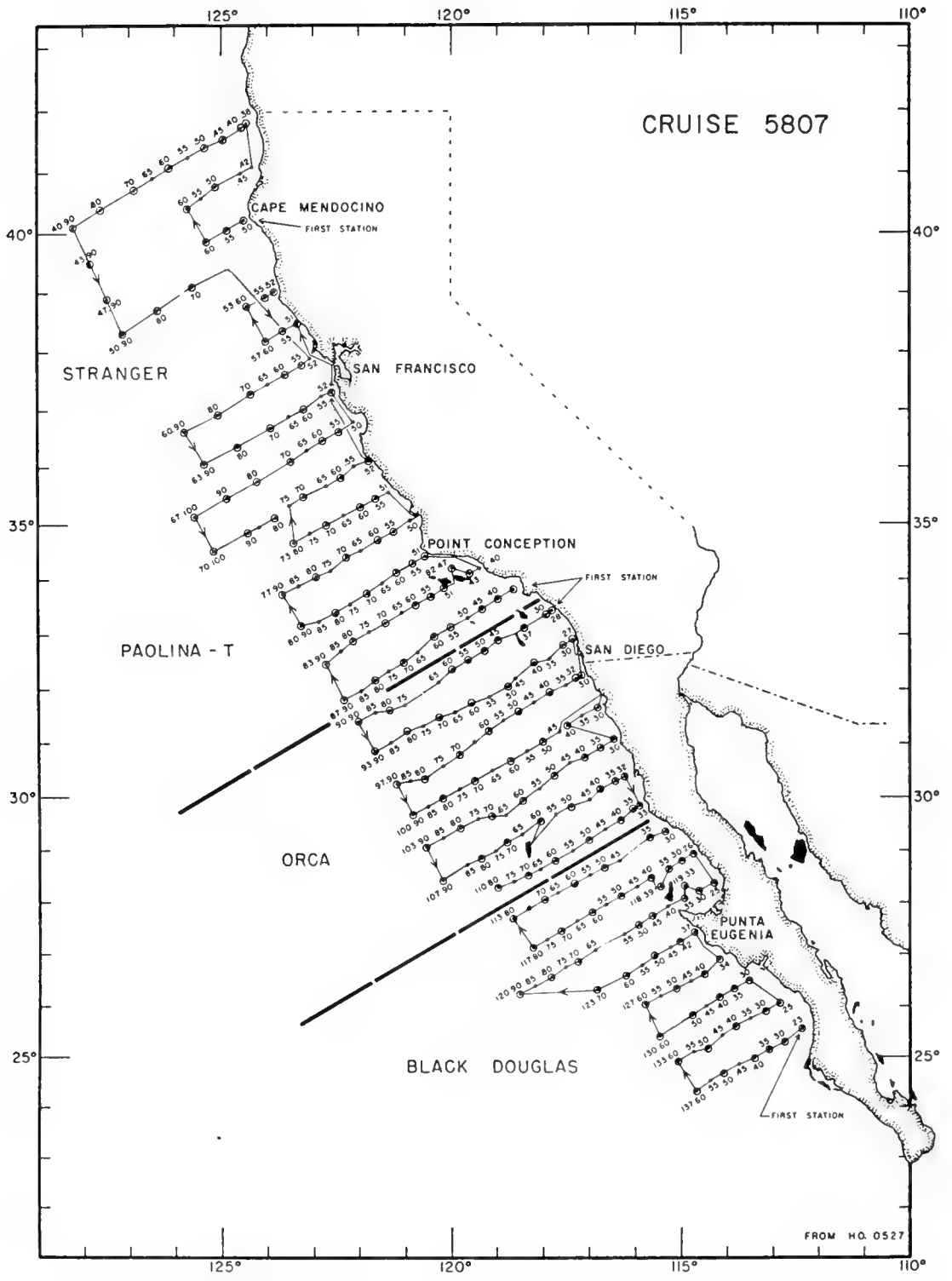

Figure 8. Station pattern for CalCOFI Cruise 5807. Symbols as in Figure 2.

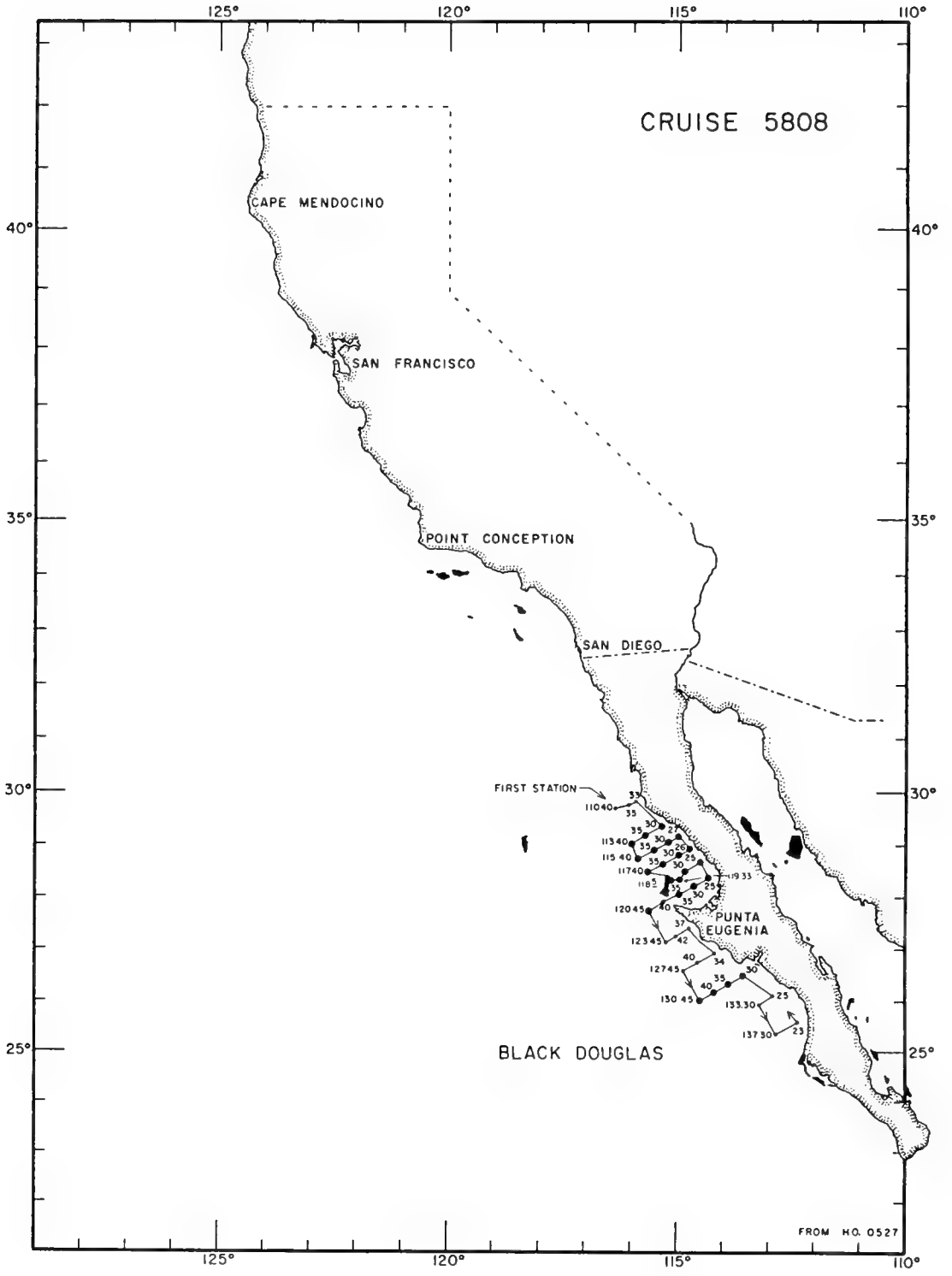

Figure 9. Station pattern for CalCOFI Cruise 5808. Symbols as in Figure 2.

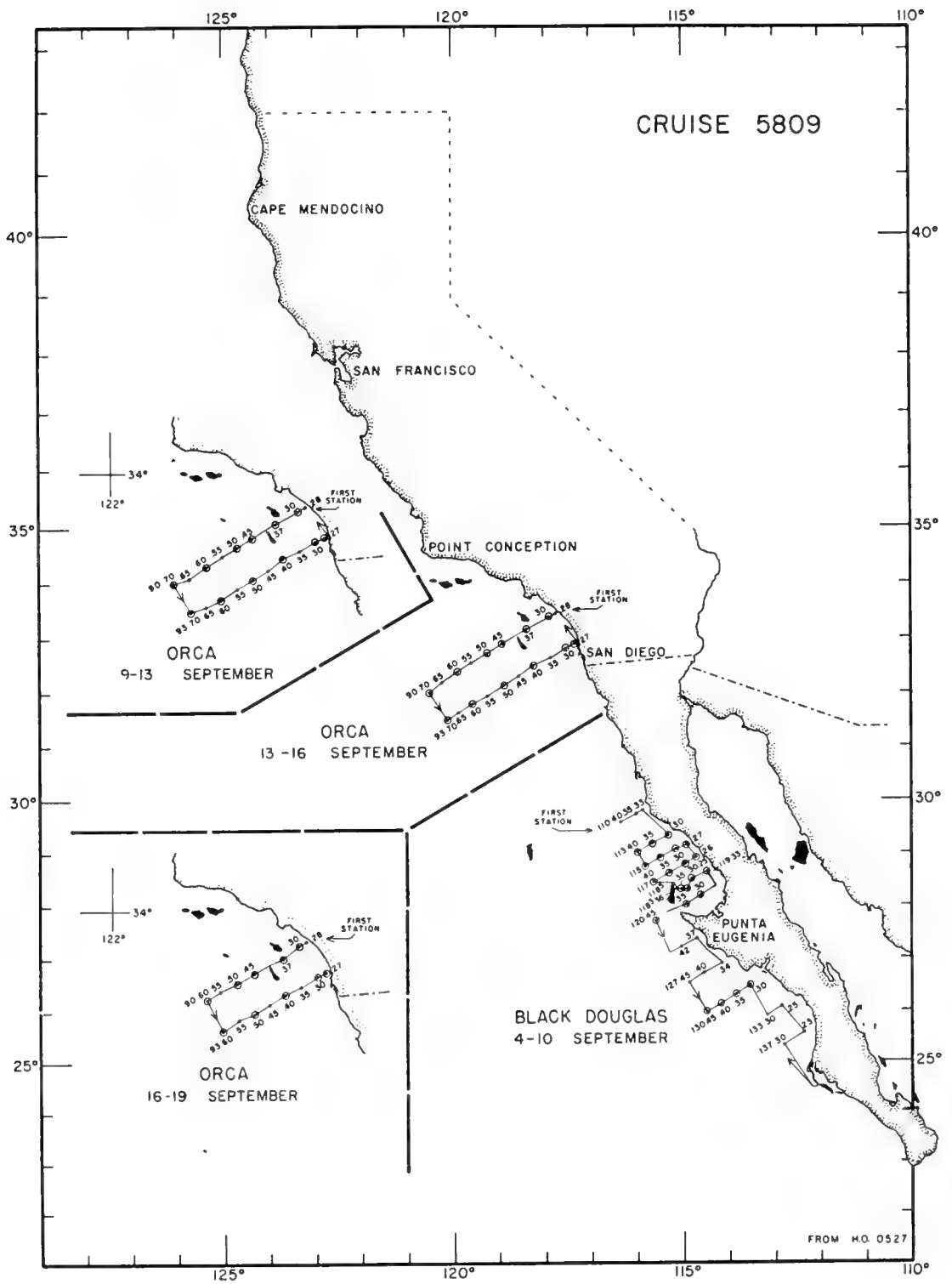

Figure 10. Station pattern for CalCOFI Cruise 5809. Symbols as in Figure 2.

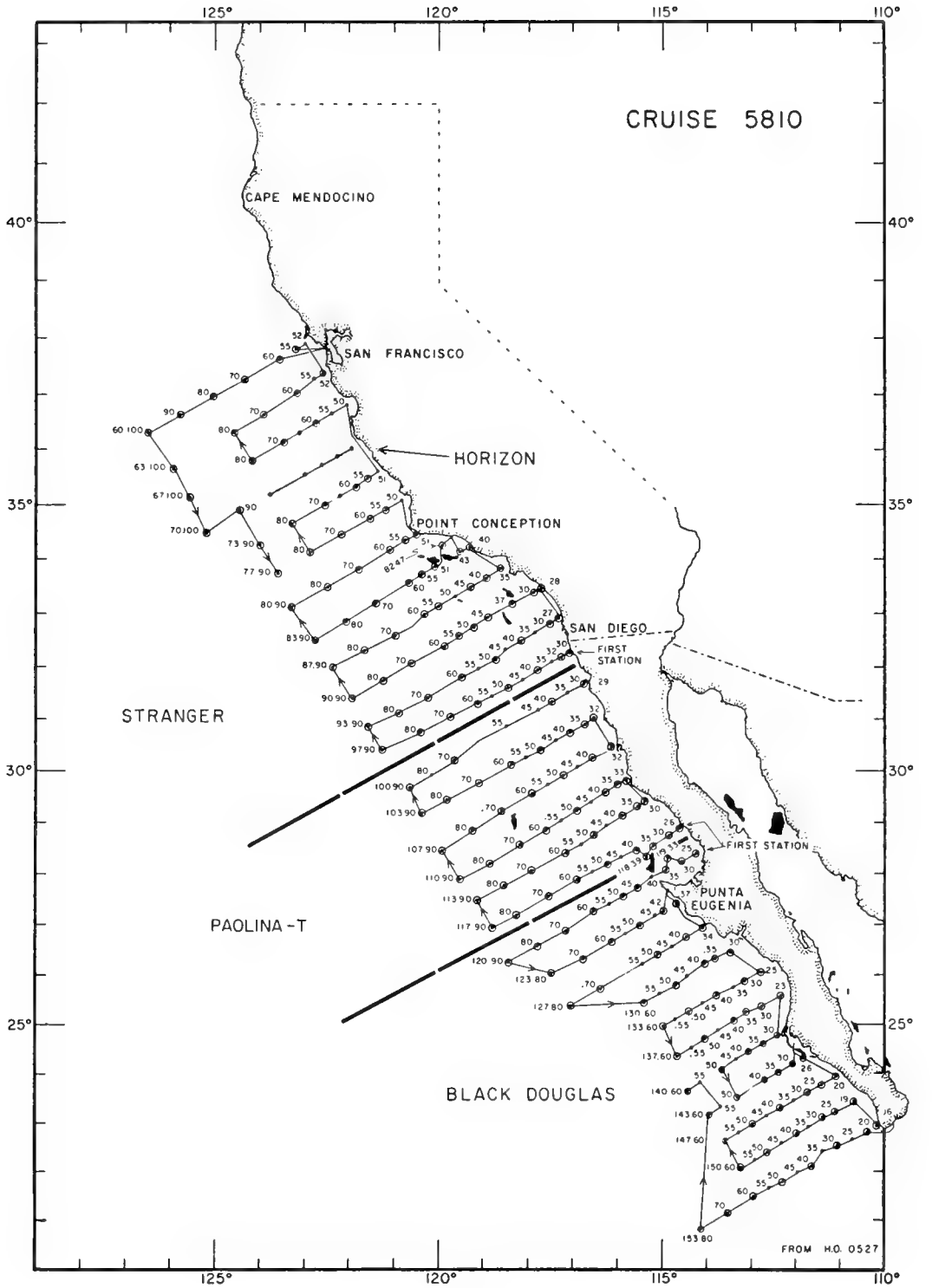

Figure 11. Station pattern for CalCOFI Cruise 5810. Symbols as in Figure 2.

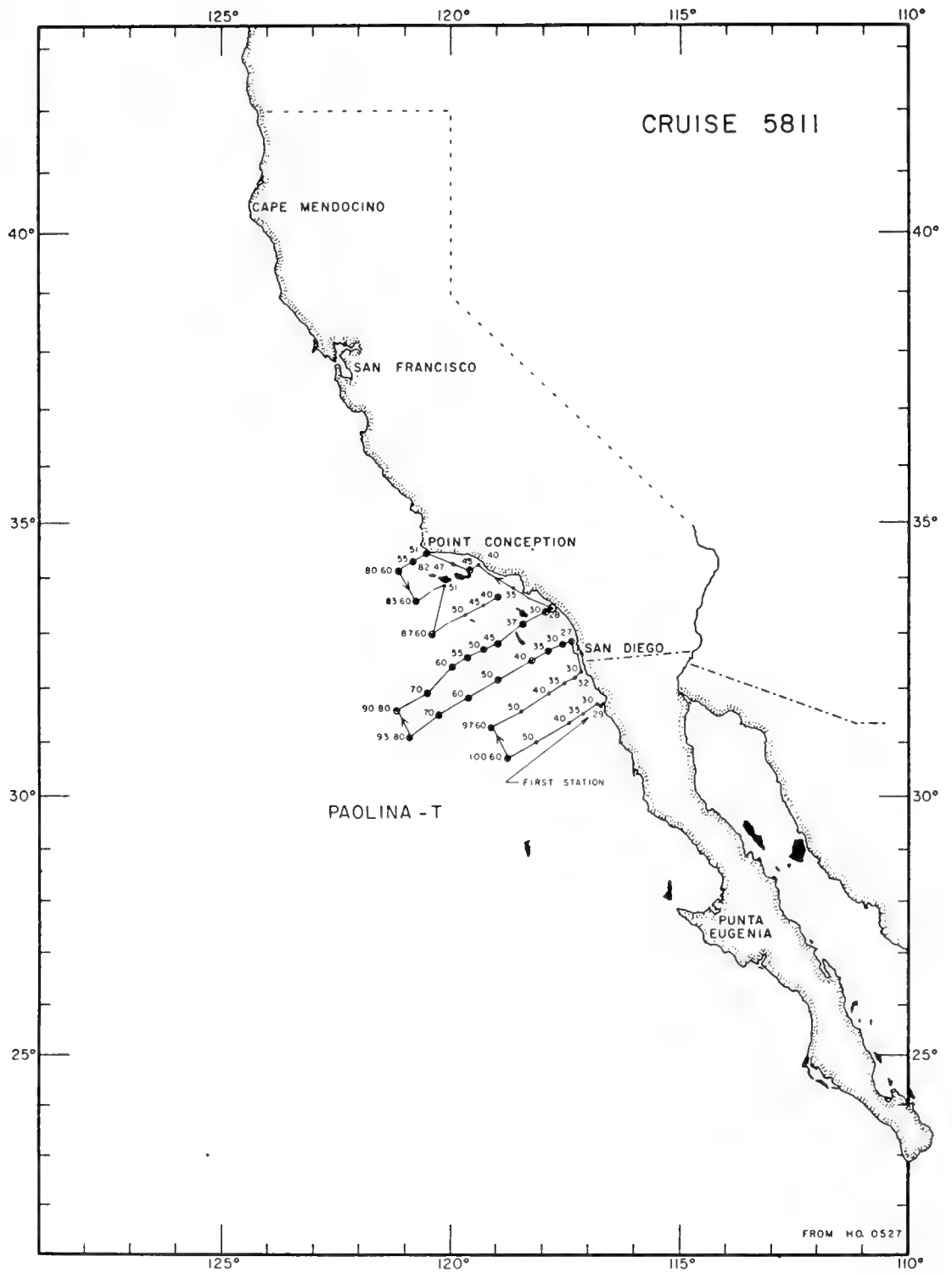

Figure 12. Station pattern for CalCOFI Cruise 5811. Symbols as in Figure 2.

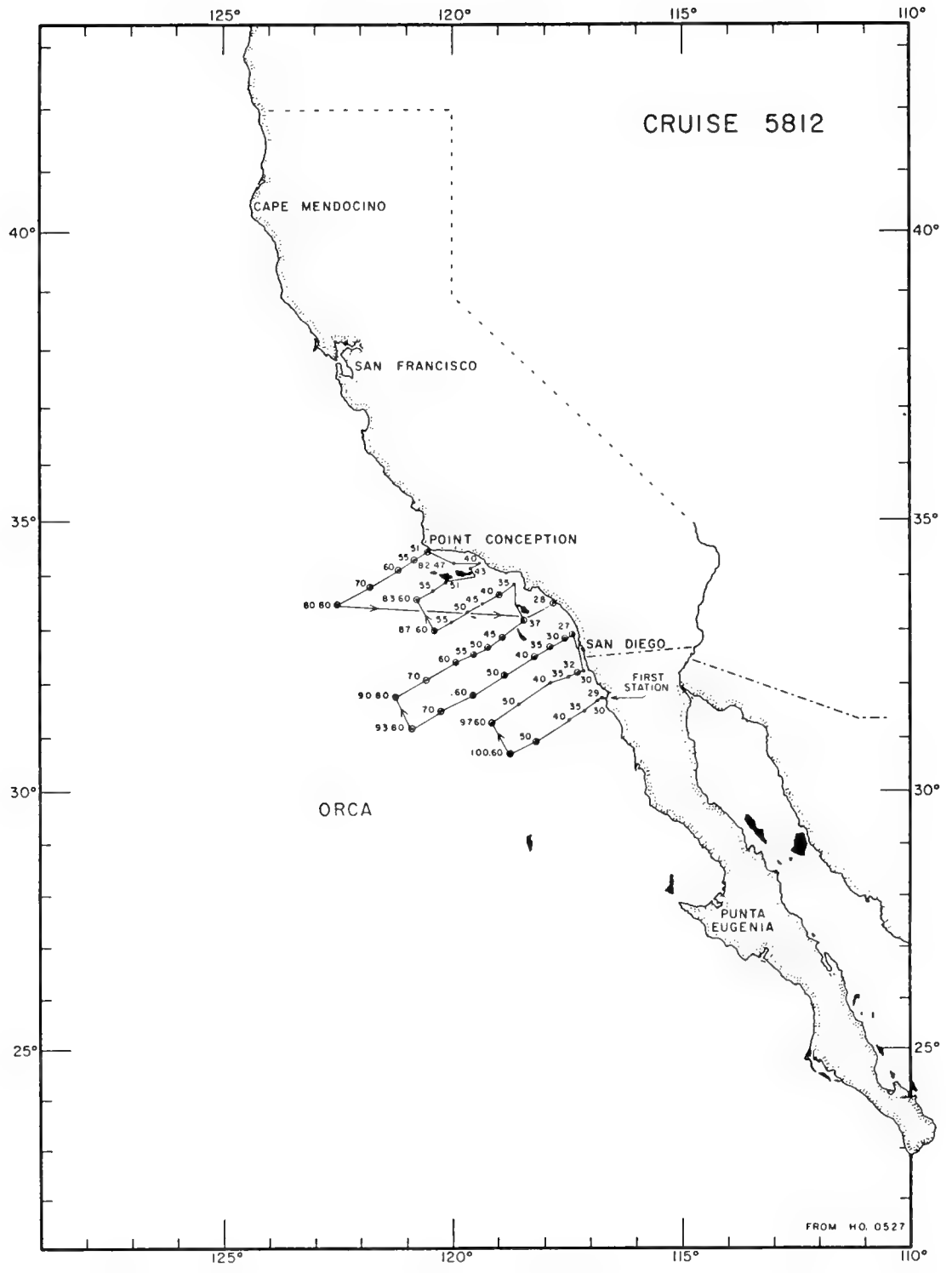

Figure 13. Station pattern for CalCOFI Cruise 5812. Symbols as in Figure 2.

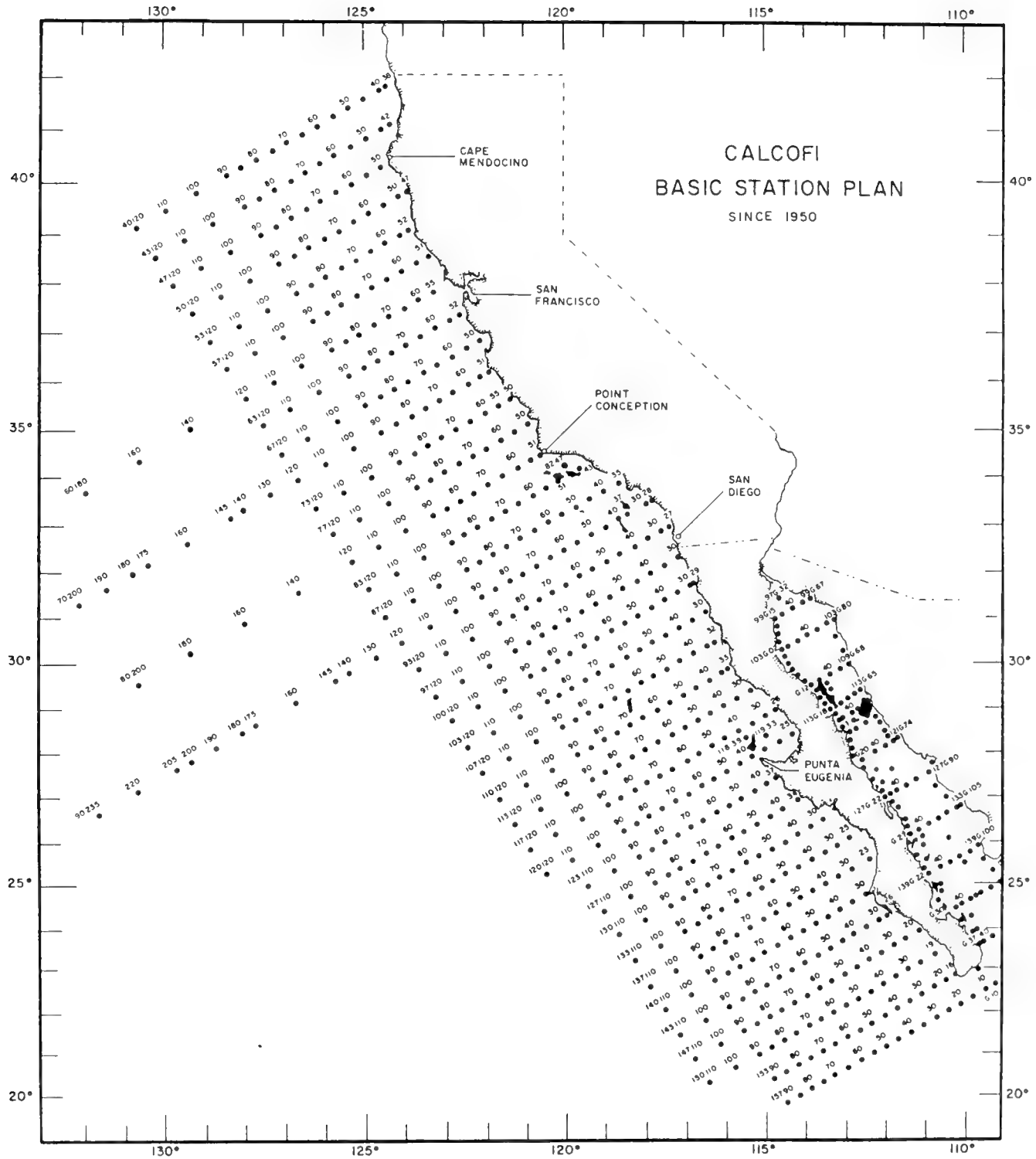

Figure 14. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1958. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 5801

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	55.0	37 47.5	123 15.0	BD	58 01 13	1821	144	500	2.87	100.0	153	31
63.0	52.0	37 19.0	122 36.0	BD	58 01 15	2138	88	317	2.76	100.0	152	457
63.0	60.0	37 02.5	123 11.5	BD	58 01 16	0211	142	483	2.94	100.0	34	32
67.0	55.0	36 39.0	122 26.0	BD	58 01 09	0840	138	545	2.54	100.0	101	189
67.0	60.0	36 29.0	122 47.5	BD	58 01 09	1341	144	490	2.95	100.0	6	7
70.0	70.0	35 32.0	121 17.0	BD	58 01 17	0805	139	524	2.65	100.0	15	23
70.0	80.0	35 13.0	123 48.0	BD	58 01 17	0205	157	426	3.69	100.0	9	6
70.0	90.0	34 53.0	124 30.0	BD	58 01 16	1935	143	537	2.67	100.0	8	18
73.0	55.0	35 27.5	121 37.5	BD	58 01 17	2226	135	530	2.54	100.0	393	326
73.0	55.0	35 27.5	121 37.5	BD	58 01 19	1326	138	514	2.69	100.0	54	256
73.0	60.0	35 17.0	121 57.0	BD	58 01 19	1026	137	512	2.67	100.0	89	79
77.0	55.0	34 54.5	121 13.0	BD	58 01 19	0046	138	446	3.08	100.0	75	21
77.0	60.0	34 44.0	121 34.0	BD	58 01 19	0456	137	472	2.91	100.0	809	404
80.0	51.0	34 26.5	120 32.5	BD	58 01 19	2302	101	415	2.43	100.0	461	3009
80.0	55.0	34 19.0	120 48.0	BD	58 01 20	0136	138	507	2.72	100.0	155	556
80.0	60.0	34 09.0	121 09.0	BD	58 01 20	0506	142	452	3.15	100.0	83	1153
80.0	70.0	33 47.0	121 52.0	BD	58 01 20	1211	142	470	3.03	100.0	89	98
80.0	80.0	33 29.0	122 32.0	BD	58 01 20	1716	144	484	2.98	100.0	11	13
82.0	47.0	34 13.0	119 58.0	ST	58 01 31	0726	129	497	2.60	100.0	417	578
83.0	43.0	34 08.0	119 34.0	ST	58 01 31	1021	113	491	2.29	100.0	451	148
83.0	51.0	33 52.0	120 08.5	ST	58 01 31	0328	120	406	2.96	100.0	141	165
83.0	55.0	33 44.0	120 24.5	ST	58 01 31	0036	139	448	3.10	100.0	141	747
83.0	60.0	33 34.0	120 45.0	ST	58 01 30	2056	136	448	3.03	100.0	67	53
83.0	70.0	33 17.0	121 21.0	ST	58 01 30	1501	138	453	3.04	100.0	62	86
87.0	35.0	33 50.0	118 37.5	ST	58 01 31	1636	120	507	2.37	100.0	322	3489
87.0	40.0	33 40.0	118 58.5	ST	58 01 31	1921	128	478	2.67	100.0	147	237
87.0	45.0	33 30.0	119 19.0	ST	58 01 31	2326	130	482	2.71	100.0	71	321
87.0	55.0	33 10.0	120 00.5	ST	58 02 01	0436	136	470	2.90	100.0	573	277
87.0	60.0	33 00.0	120 21.5	ST	58 02 01	0826	135	435	3.11	100.0	44	462
87.0	70.0	32 39.5	121 02.0	ST	58 02 01	1306	139	466	2.99	100.0	7	53
87.0	80.0	32 19.5	121 43.0	ST	58 02 01	1756	132	421	3.14	100.0	6	8
90.0	80.0	31 45.0	121 19.0	ST	58 02 02	0706	130	483	2.68	100.0	12	162
90.0	90.0	31 25.0	121 59.0	ST	58 02 02	0206	139	447	3.11	100.0	16	23
93.0	27.0	32 55.0	117 20.0	PT	58 01 29	1523	74	246	3.02	100.0	60	145
93.0	30.0	32 50.0	117 33.0	PT	58 01 29	1746	140	416	3.37	100.0	405	648
93.0	40.0	32 31.0	118 15.0	PT	58 01 30	0001	145	425	3.40	100.0	42	178
93.0	50.0	32 13.0	118 55.0	PT	58 01 30	0611	134	463	2.90	100.0	77	366
93.0	60.0	31 53.0	119 40.0	PT	58 01 30	1226	131	375	3.48	100.0	2	6
93.0	70.0	31 32.0	120 16.0	PT	58 01 30	1816	134	520	2.58	100.0	14	73
93.0	80.0	31 04.0	120 50.0	PT	58 01 31	0026	144	406	3.53	100.0	19	6
97.0	30.0	32 15.0	117 08.0	PT	58 02 01	1509	27	149	1.80	100.0	267	273
97.0	32.0	32 11.5	117 17.0	PT	58 02 01	1306	123	479	2.58	100.0	103	222
97.0	40.0	32 00.0	117 40.0	PT	58 02 01	0926	136	440	3.09	100.0	7	111
97.0	50.0	31 37.0	118 27.0	PT	58 02 01	0256	139	432	3.21	100.0	78	22

TABLE 1. (cont.)

CalCOFI Cruise 5801

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	60.0	31	08.0	119	07.0	PT	58	01	31	2016	138	430	3.21	100.0	13	106
97.0	70.0	30	39.0	119	48.0	PT	58	01	31	1316	140	417	3.35	100.0	13	208
97.0	80.0	30	17.0	120	25.0	PT	58	01	31	0656	142	406	3.49	100.0	14	40
100.0	30.0	31	41.0	116	46.5	PT	58	01	13	2046	126	493	2.55	100.0	253	101
100.0	32.0	31	37.0	116	54.5	PT	58	01	13	2256	134	444	3.01	100.0	201	1389
100.0	40.0	31	21.0	117	27.0	PT	58	01	14	0446	137	404	3.38	100.0	42	12
100.0	50.0	31	01.0	118	07.5	PT	58	01	14	1136	142	398	3.58	100.0	2	14
100.0	60.0	30	41.0	118	47.0	PT	58	01	14	1856	135	437	3.09	100.0	13	59
100.0	70.0	30	20.0	119	26.0	PT	58	01	15	0356	135	422	3.20	100.0	3	24
100.0	80.0	29	58.5	120	05.7	PT	58	01	15	0956	140	407	3.44	100.0	11	139
100.0	90.0	29	39.0	120	43.0	PT	58	01	15	1736	134	416	3.22	100.0	25	19
103.0	30.0	31	05.0	116	25.0	PT	58	01	17	0808	58	215	2.68	100.0	15	1141
103.0	35.0	31	00.5	116	39.5	PT	58	01	17	0506	135	431	3.14	100.0	6	62
103.0	40.0	30	48.0	117	01.5	PT	58	01	17	0056	124	472	2.62	100.0	4	17
103.0	50.0	30	24.0	117	42.5	PT	58	01	16	1836	132	424	3.11	100.0	16	19
103.0	60.0	30	07.5	118	21.0	PT	58	01	16	1226	131	442	2.96	100.0	7	31
103.0	70.0	29	46.5	119	04.5	PT	58	01	16	0601	137	422	3.25	100.0	15	105
107.0	32.0	30	23.5	116	10.5	PT	58	01	17	1351	118	487	2.42	100.0	395	1063
107.0	35.0	30	20.0	116	23.0	PT	58	01	17	1746	130	439	2.96	100.0	12	143
107.0	40.0	30	10.0	116	43.0	PT	58	01	17	2106	133	446	2.98	100.0	8	39
107.0	50.0	29	50.0	117	23.5	PT	58	01	18	0311	144	399	3.61	100.0	8	23
107.0	70.0	29	10.0	118	42.0	PT	58	01	18	1756	141	432	3.28	100.0	14	85
110.0	33.0	29	50.0	115	52.0	PT	58	01	21	1148	84	264	3.17	100.0	51	63
110.0	35.0	29	46.5	115	59.0	PT	58	01	21	0956	141	412	3.42	100.0	376	335
110.0	40.0	29	42.5	116	19.0	PT	58	01	21	0716	138	439	3.15	100.0	307	311
110.0	50.0	29	19.0	117	00.0	PT	58	01	21	0026	131	463	2.83	100.0	98	82
110.0	60.0	28	57.0	117	40.0	PT	58	01	20	1756	130	476	2.74	100.0	97	28
110.0	70.0	28	38.0	118	18.0	PT	58	01	19	1836	128	460	2.79	100.0	11	55
110.0	80.0	28	19.0	118	55.5	PT	58	01	19	1236	130	463	2.81	100.0	35	32
110.0	90.0	27	55.5	119	32.5	PT	58	01	19	0556	148	392	3.77	100.0	6	22
113.0	30.0	29	23.0	115	17.5	PT	58	01	21	1729	27	186	1.43	100.0	160	34
113.0	35.0	29	12.5	115	41.0	PT	58	01	21	2056	132	422	3.12	100.0	581	902
113.0	40.0	29	03.0	116	04.0	PT	58	01	22	0326	114	490	2.33	100.0	323	15
113.0	50.0	28	41.0	116	30.0	PT	58	01	22	0956	141	417	3.37	100.0	14	36
113.0	60.0	28	20.5	117	20.5	PT	58	01	22	1651	127	445	2.85	100.0	19	46
113.0	70.0	28	04.5	117	51.0	PT	58	01	22	2226	141	437	3.22	100.0	55	56
117.0	26.0	28	56.0	114	41.0	PT	58	01	25	0408	62	198	3.14	100.0	205	45
117.0	30.0	28	48.0	114	56.0	PT	58	01	25	0108	59	390	1.52	100.0	107	16
117.0	35.0	28	38.0	115	16.0	PT	58	01	24	2211	133	456	2.92	100.0	570	137
117.0	40.0	28	27.0	115	35.0	PT	58	01	23	2216	134	445	3.02	100.0	380	18
117.0	50.0	28	06.5	116	13.5	PT	58	01	23	1616	138	437	3.16	100.0	38	56
117.0	60.0	27	49.0	116	50.0	PT	58	01	23	1106	142	404	3.53	100.0	13	50
117.0	70.0	27	32.5	117	33.0	PT	58	01	23	0426	136	441	3.08	100.0	56	28
118.0	39.0	28	18.5	115	24.5	PT	58	01	24	1811	141	441	3.20	100.0	74	67
119.0	33.0	28	19.0	114	53.0	ST	58	01	27	0157	95	322	2.94	100.0	200	126

TABLE 1. (cont.)

CalCOFI Cruise 5801

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	35.0	28 03.0	114 54.0	ST	58 01 26	2343	74	212	3.50	100.0	64	98
120.0	45.0	27 40.0	115 28.0	ST	58 01 25	1821	136	454	2.99	100.0	72	75
120.0	50.0	27 30.0	115 49.0	ST	58 01 25	1526	133	449	2.96	100.0	110	57
120.0	60.0	27 13.0	116 31.0	ST	58 01 25	1016	138	377	3.66	100.0	15	27
120.0	70.0	26 52.5	117 10.0	ST	58 01 25	0516	141	421	3.35	100.0	31	31
120.0	80.0	26 32.5	117 48.5	ST	58 01 25	0026	135	455	2.97	100.0	55	9
123.0	37.0	27 24.0	114 40.0	ST	58 01 24	0058	44	224	1.95	100.0	609	81
123.0	42.0	27 16.0	114 59.0	ST	58 01 24	0316	142	401	3.54	100.0	46	20
123.0	50.0	27 00.0	115 32.0	ST	58 01 24	0741	155	394	3.94	100.0	12	16
123.0	60.0	26 42.0	116 10.0	ST	58 01 24	1326	141	446	3.17	100.0	209	448
123.0	70.0	26 18.5	116 54.0	ST	58 01 24	1826	142	424	3.34	100.0	13	3
127.0	34.0	26 58.0	114 10.0	ST	58 01 23	2043	87	266	3.27	100.0	586	195
127.0	40.0	26 45.0	114 34.0	ST	58 01 23	1651	147	427	3.45	100.0	62	65
127.0	50.0	26 23.0	115 07.0	ST	58 01 23	1156	141	448	3.14	100.0	66	5
127.0	60.0	26 04.0	115 45.0	ST	58 01 23	0746	134	468	2.87	100.0	3	12
127.0	70.0	25 44.0	116 25.0	ST	58 01 23	0241	139	479	2.90	100.0	76	17
130.0	30.0	26 28.5	113 30.0	ST	58 01 22	0313	60	215	2.79	100.0	418	192
130.0	35.0	26 19.0	113 49.0	ST	58 01 22	0546	142	441	3.21	100.0	108	1414
130.0	40.0	26 10.0	114 07.0	ST	58 01 22	0851	137	451	3.04	100.0	3	50
130.0	50.0	25 51.0	114 45.0	ST	58 01 22	1341	133	437	3.04	100.0	2	8
130.0	60.0	25 32.0	115 24.0	ST	58 01 22	1841	143	435	3.28	100.0	2	19
133.0	25.0	26 09.0	112 51.0	ST	58 01 21	2243	55	244	2.25	100.0	3074	90
133.0	30.0	25 59.0	113 10.0	ST	58 01 21	1946	127	484	2.62	100.0	176	2
133.0	40.0	25 39.0	113 48.5	ST	58 01 21	1441	134	486	2.76	100.0	17	25
133.0	50.0	25 19.0	114 26.0	ST	58 01 21	1011	137	422	3.23	100.0	5	38
133.0	60.0	24 57.0	115 03.0	ST	58 01 21	0511	135	459	2.94	100.0	7	9
137.0	23.0	25 34.0	112 19.0	ST	58 01 20	0608	53	316	1.68	100.0	311	468
137.0	30.0	25 19.0	112 46.0	ST	58 01 20	0906	138	435	3.16	100.0	33	46
137.0	35.0	25 10.0	113 04.0	ST	58 01 20	1201	124	501	2.48	100.0	13	659
137.0	40.0	24 57.0	113 29.0	ST	58 01 20	1451	137	468	2.92	100.0	11	76
137.0	50.0	24 41.0	114 03.0	ST	58 01 20	1926	140	479	2.93	100.0	11	58
137.0	60.0	24 23.0	114 40.0	ST	58 01 21	0021	136	482	2.82	100.0	23	5
140.0	30.0	24 49.0	112 29.0	ST	58 01 20	0057	102	373	2.73	100.0	32	84
140.0	35.0	24 41.0	112 47.0	ST	58 01 19	2216	113	498	2.27	100.0	14	304
140.0	40.0	24 29.0	113 11.0	ST	58 01 19	1811	130	492	2.65	100.0	3	313
140.0	50.0	24 07.0	113 41.0	ST	58 01 19	1336	140	452	3.09	100.0	0	504
140.0	60.0	23 46.0	114 16.0	ST	58 01 19	0906	126	488	2.58	100.0	22	11
143.0	26.0	24 19.0	111 48.0	ST	58 01 18	0918	50	252	2.00	100.0	6	1099
143.0	30.0	24 11.0	112 03.0	ST	58 01 18	1126	136	439	3.10	100.0	4	25
143.0	35.0	24 01.0	112 22.0	ST	58 01 18	1406	136	488	2.79	100.0	1	20
143.0	40.0	23 51.0	112 47.0	ST	58 01 18	1826	121	508	2.37	100.0	19	3
143.0	50.0	23 31.0	113 15.0	ST	58 01 18	2216	135	463	2.92	100.0	22	58
143.0	60.0	23 13.0	113 51.0	ST	58 01 19	0256	131	478	2.73	100.0	38	6
147.0	20.0	24 07.0	111 20.0	ST	58 01 17	0457	113	380	2.98	100.0	397	433
147.0	25.0	23 56.0	111 35.0	ST	58 01 17	0216	134	498	2.69	100.0	8	17

TABLE 1. (cont.)

CalCOFI Cruise 5801

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
147.0	30.0	23	43.0	111	52.0	ST	58	01	17	2316	140	440	3.17	100.0	31	27
147.0	40.0	23	18.0	112	27.0	ST	58	01	16	1741	123	557	2.20	100.0	10	26
150.0	19.0	23	23.0	110	39.0	ST	58	01	16	0026	123	455	2.70	100.0	9	143
150.0	25.0	23	13.0	111	02.0	ST	58	01	16	0341	144	412	3.49	100.0	72	21
150.0	30.0	23	03.0	111	21.0	ST	58	01	16	0706	147	434	3.38	100.0	11	599
150.0	40.0	22	44.0	112	00.0	ST	58	01	16	1221	139	468	2.96	100.0	7	45
153.0	16.0	22	55.0	110	07.0	ST	58	01	15	2011	135	507	2.67	100.0	20	71
153.0	20.0	22	47.0	110	22.0	ST	58	01	15	1546	142	453	3.14	100.0	32	358
153.0	30.0	22	27.0	110	59.0	ST	58	01	15	1026	135	411	3.28	100.0	13	26
153.0	40.0	22	06.0	111	36.0	ST	58	01	15	0426	117	531	2.20	100.0	85	101
153.0	50.0	21	46.0	112	14.0	ST	58	01	14	2316	121	561	2.15	100.0	70	41
157.0	10.0	22	33.0	109	23.0	ST	58	01	13	2136	149	450	3.32	100.0	91	92
157.0	20.0	22	13.0	110	00.0	ST	58	01	14	0236	147	387	3.81	100.0	335	103
157.0	30.0	21	52.0	110	38.0	ST	58	01	14	0726	117	491	2.38	100.0	128	127
157.0	40.0	21	32.5	111	14.5	ST	58	01	14	1226	136	462	2.95	100.0	56	13
157.0	50.0	21	12.0	111	52.0	ST	58	01	14	1721	127	484	2.63	100.0	33	50

TABLE 1. (cont.)

CalCOFI Cruise 5802

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.3	120	31.9	PT	58	02	10	1108	55	243	2.25	100.0	838	27
80.0	55.0	34	18.8	120	48.3	PT	58	02	10	0756	146	462	3.17	50.0	563	528
80.0	60.0	34	11.5	121	03.0	PT	58	02	10	0451	139	455	3.05	100.0	1340	441
80.0	70.0	33	51.0	121	52.8	PT	58	02	09	2311	132	467	2.84	50.0	1730	60
80.0	80.0	33	31.0	122	40.2	PT	58	02	09	1726	146	446	3.27	100.0	12	14
80.0	90.0	33	16.3	123	15.0	PT	58	02	09	1146	131	490	2.67	100.0	19	35
82.0	47.0	34	16.3	119	55.0	PT	58	02	10	1526	145	480	3.02	100.0	760	161
83.0	40.0	34	14.0	119	22.4	PT	58	02	10	2014	16	97	1.63	100.0	465	1617
83.0	43.0	34	07.8	119	34.0	PT	58	02	10	1811	148	424	3.50	100.0	357	105
83.0	51.0	33	52.0	120	08.5	PT	58	02	11	0338	50	333	1.51	100.0	516	116
87.0	35.0	33	50.0	118	38.5	PT	58	02	12	0241	131	482	2.71	100.0	330	395
87.0	40.0	33	40.3	118	59.0	PT	58	02	11	2341	131	492	2.67	100.0	169	680
87.0	45.0	33	29.1	119	18.8	PT	58	02	11	2101	123	425	2.88	100.0	452	514
90.0	28.0	33	28.5	117	46.7	PT	58	02	06	2226	133	468	2.84	100.0	556	1016
90.0	30.0	33	23.8	117	57.0	PT	58	02	07	0016	128	440	2.92	100.0	77	75
90.0	45.0	32	55.7	118	56.0	PT	58	02	07	1006	136	466	2.91	100.0	48	143
90.0	50.0	32	44.8	119	16.5	PT	58	02	07	1411	133	486	2.74	100.0	158	103
90.0	55.0	32	35.7	119	37.8	PT	58	02	07	1726	139	459	3.02	100.0	523	85
90.0	60.0	32	26.5	119	59.0	PT	58	02	07	2126	139	433	3.20	100.0	33	181
90.0	70.0	32	07.8	120	40.3	PT	58	02	08	0351	129	495	2.60	100.0	57	15
90.0	80.0	31	44.8	121	19.0	PT	58	02	08	1016	134	496	2.69	100.0	82	52
90.0	90.0	31	17.0	121	56.8	PT	58	02	08	1656	151	438	3.46	100.0	12	55
93.0	27.0	32	56.0	117	19.0	PT	58	02	13	1502	89	364	2.44	50.0	528	1465
93.0	30.0	32	50.0	117	31.5	PT	58	02	13	1711	147	428	3.44	100.0	138	279
93.0	35.0	32	40.0	117	52.0	PT	58	02	13	2026	141	455	3.10	100.0	78	237
93.0	40.0	32	30.0	118	12.5	PT	58	02	13	2341	148	456	3.24	100.0	46	49
93.0	45.0	32	20.0	118	32.5	PT	58	02	14	0301	138	444	3.12	100.0	46	53
93.0	50.0	32	11.5	118	54.0	PT	58	02	14	0616	148	460	3.23	100.0	39	91
93.0	60.0	31	53.0	119	33.0	PT	58	02	14	1111	139	452	3.08	100.0	22	47
93.0	80.0	31	07.0	120	52.0	PT	58	02	14	2226	130	464	2.79	100.0	3	40
97.0	30.0	32	15.5	117	07.0	PT	58	02	16	0829	31	146	2.13	100.0	227	113
97.0	32.0	32	13.0	117	16.5	PT	58	02	16	0701	131	498	2.62	100.0	283	501
97.0	40.0	31	57.5	117	46.0	PT	58	02	16	0256	138	450	3.06	100.0	38	21
97.0	45.0	31	36.0	118	09.0	PT	58	02	15	2356	137	478	2.86	100.0	83	21
97.0	50.0	31	35.5	118	30.0	PT	58	02	15	2111	136	475	2.87	100.0	53	206
97.0	60.0	31	18.0	119	07.0	PT	58	02	15	1541	135	456	2.95	100.0	30	133
97.0	70.0	30	53.5	119	47.0	PT	58	02	15	0941	138	454	3.05	100.0	10	12
97.0	80.0	30	34.0	120	27.5	PT	58	02	15	0336	138	448	3.07	100.0	11	173
100.0	30.0	31	40.5	116	46.5	PT	58	02	16	1321	131	445	2.95	100.0	416	1133
100.0	32.0	31	37.8	116	57.7	PT	58	02	16	1446	140	438	3.21	100.0	66	233
100.0	40.0	31	21.0	117	27.0	PT	58	02	16	1916	129	454	2.84	100.0	42	63
100.0	50.0	31	00.0	118	07.0	PT	58	02	17	0046	117	490	2.39	100.0	41	30
100.0	60.0	30	38.5	118	46.0	PT	58	02	17	0616	136	440	3.10	100.0	14	60
100.0	70.0	30	18.0	119	24.5	PT	58	02	17	1156	112	503	2.22	100.0	0	23
100.0	80.0	30	01.0	120	07.0	PT	58	02	17	1641	139	444	3.13	100.0	15	154

TABLE 1. (cont.)

CalCOFI Cruise 5802

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	90.0	29	41.0	120	46.0	PT	58	02	17	2156	136	440	3.10	100.0	12	470
103.0	30.0	31	03.2	116	24.5	PT	58	02	19	0643	78	222	3.54	100.0	105	290
103.0	35.0	30	53.7	116	43.0	PT	58	02	19	0401	146	418	3.48	100.0	26	163
103.0	40.0	30	43.1	117	04.5	PT	58	02	19	0056	132	477	2.77	100.0	58	120
103.0	50.0	30	27.0	117	45.0	PT	58	02	18	1926	138	456	3.04	100.0	83	90
103.0	60.0	30	08.0	118	25.5	PT	58	02	18	1406	126	473	2.67	100.0	41	147
103.0	70.0	29	43.0	119	03.0	PT	58	02	18	0901	134	441	3.04	100.0	10	165
107.0	32.0	30	28.0	116	12.0	ST	58	02	24	0926	140	382	3.65	100.0	36	867
107.0	35.0	30	21.5	116	24.0	ST	58	02	24	0746	124	481	2.57	100.0	23	348
107.0	40.0	30	10.0	116	43.0	ST	58	02	24	0426	128	404	3.16	100.0	73	1282
107.0	50.0	29	50.5	117	23.5	ST	58	02	23	2346	132	455	2.90	100.0	159	74
107.0	60.0	29	31.0	118	03.0	ST	58	02	23	1916	122	423	2.89	100.0	3	3
107.0	70.0	29	10.0	118	44.0	ST	58	02	23	1426	135	425	3.18	100.0	8	8
110.0	33.0	29	50.5	115	52.2	ST	58	02	22	0208	62	222	2.82	100.0	527	1430
110.0	35.0	29	46.5	116	00.0	ST	58	02	22	0326	128	467	2.75	100.0	62	458
110.0	40.0	29	36.5	116	19.5	ST	58	02	22	0556	125	443	2.83	100.0	95	34
110.0	50.0	29	16.5	116	59.0	ST	58	02	22	0951	126	440	2.87	100.0	21	49
110.0	60.0	28	56.5	117	39.0	ST	58	02	22	1521	117	486	2.40	100.0	13	26
110.0	70.0	28	36.5	118	18.0	ST	58	02	22	1941	117	444	2.62	100.0	24	186
110.0	80.0	28	16.5	118	57.5	ST	58	02	23	0006	130	472	2.75	100.0	8	11
110.0	90.0	27	56.5	119	36.0	ST	58	02	23	0441	123	442	2.77	100.0	8	4
113.0	30.0	29	22.5	115	17.5	ST	58	02	21	2114	43	170	2.53	100.0	40	4
113.0	35.0	29	07.0	115	37.0	ST	58	02	21	1821	125	452	2.76	50.0	277	511
113.0	40.0	29	02.0	115	58.5	ST	58	02	21	1556	131	448	2.92	100.0	58	338
113.0	45.0	28	52.0	116	18.0	ST	58	02	21	1336	131	468	2.79	100.0	45	18
113.0	50.0	28	42.0	116	37.5	ST	58	02	21	1101	121	456	2.65	100.0	468	107
113.0	60.0	28	22.0	117	17.0	ST	58	02	21	0626	122	458	2.67	100.0	11	44
117.0	26.0	28	56.0	114	41.0	ST	58	02	19	2308	60	221	2.73	100.0	335	36
117.0	30.0	28	48.0	114	56.5	ST	58	02	20	0107	79	317	2.50	100.0	516	563
117.0	35.0	28	38.0	115	15.0	ST	58	02	20	0341	134	428	3.14	100.0	968	143
117.0	40.0	28	28.0	115	35.5	ST	58	02	20	0846	130	403	3.22	100.0	151	85
117.0	50.0	28	07.0	116	14.0	ST	58	02	20	1336	123	434	2.82	100.0	504	210
117.0	60.0	27	45.5	116	52.0	ST	58	02	20	1836	125	425	2.94	100.0	10	47
118.0	39.0	28	18.5	115	24.0	ST	58	02	20	0531	137	393	3.48	100.0	934	63
119.0	33.0	28	19.0	114	53.0	ST	58	02	19	1451	93	300	3.11	50.0	647	185
120.0	25.0	28	23.0	114	14.5	ST	58	02	19	1858	56	185	3.02	50.0	349	1222
120.0	30.0	28	13.0	114	34.0	ST	58	02	19	1708	76	274	2.77	100.0	290	1361
120.0	35.0	28	03.0	114	54.0	ST	58	02	19	1258	64	246	2.62	50.0	590	265
120.0	40.0	27	57.0	115	15.0	ST	58	02	18	2129	20	151	1.34	100.0	122	123
120.0	45.0	27	44.0	115	33.0	ST	58	02	18	1901	131	432	3.03	100.0	152	60
120.0	50.0	27	37.5	115	52.0	ST	58	02	18	1706	114	486	2.34	100.0	7	70
120.0	60.0	27	18.0	116	32.0	ST	58	02	18	1156	115	485	2.37	100.0	8	41
120.0	70.0	26	57.0	117	13.0	ST	58	02	18	0726	134	420	3.18	100.0	6	45
120.0	80.0	26	35.0	117	50.0	ST	58	02	18	0306	114	477	2.39	100.0	33	150
120.0	90.0	26	13.0	118	27.5	ST	58	02	17	2101	118	447	2.65	100.0	8	536

TABLE 1. (cont.)

CalCOFI Cruise 5802

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	37.0	27 24.0	114 40.0	ST	58 02 16	2113	56	239	2.33	100.0	768	2956
123.0	42.0	27 14.5	114 58.0	ST	58 02 16	2326	137	399	3.44	100.0	519	247
123.0	50.0	26 55.5	115 31.5	ST	58 02 17	0306	130	443	2.94	100.0	171	228
123.0	60.0	26 36.5	116 07.0	ST	58 02 17	0701	112	485	2.31	100.0	57	1
127.0	34.0	26 55.0	114 07.0	ST	58 02 16	1658	62	223	2.79	100.0	224	120
127.0	40.0	26 44.0	114 30.0	ST	58 02 16	1416	129	404	3.19	100.0	79	302
127.0	45.0	26 34.5	114 50.0	ST	58 02 16	1146	132	485	2.72	100.0	148	185
127.0	50.0	26 25.0	115 08.0	ST	58 02 16	0911	131	416	3.15	100.0	40	110
127.0	60.0	26 06.5	115 47.0	ST	58 02 16	0446	126	444	2.84	100.0	122	19
130.0	30.0	26 28.0	113 42.5	ST	58 02 15	1008	63	255	2.49	100.0	345	176
130.0	35.0	26 15.0	114 45.0	ST	58 02 15	1136	122	463	2.63	100.0	101	797
130.0	40.0	26 14.0	114 08.5	ST	58 02 15	1356	123	490	2.51	100.0	32	719
130.0	45.0	26 05.0	114 26.5	ST	58 02 15	1721	123	450	2.74	100.0	17	126
130.0	50.0	25 53.0	114 48.0	ST	58 02 15	2016	137	424	3.23	100.0	25	169
130.0	60.0	25 33.5	115 26.0	ST	58 02 16	0036	141	418	3.38	100.0	21	26
133.0	25.0	26 05.3	112 49.5	ST	58 02 15	0453	61	231	2.64	50.0	720	298
133.0	30.0	25 55.2	113 08.0	ST	58 02 15	0216	131	458	2.87	50.0	413	232
133.0	35.0	25 45.0	113 26.2	ST	58 02 14	2356	145	404	3.59	100.0	152	1175
133.0	40.0	25 34.5	113 45.5	ST	58 02 14	2126	145	418	3.47	100.0	89	89
133.0	50.0	25 13.0	114 25.5	ST	58 02 14	1641	125	507	2.46	100.0	3	5
137.0	23.0	25 34.2	112 18.7	ST	58 02 13	2253	75	210	3.58	100.0	211	42
137.0	30.0	25 20.0	112 45.5	ST	58 02 14	0206	126	496	2.55	100.0	68	22
137.0	35.0	25 10.0	113 04.5	ST	58 02 14	0456	132	481	2.73	100.0	12	208
137.0	40.0	25 00.0	113 23.5	ST	58 02 14	0756	127	439	2.89	100.0	30	69
137.0	50.0	24 40.0	114 01.5	ST	58 02 14	1211	119	504	2.35	100.0	19	36
140.0	30.0	24 44.0	112 26.0	ST	58 02 12	1406	134	459	2.92	100.0	15	154
140.0	35.0	24 31.0	112 41.0	ST	58 02 12	1146	138	462	2.99	100.0	42	1218
140.0	40.0	24 23.0	113 00.0	ST	58 02 12	0901	133	447	2.97	100.0	57	727
140.0	50.0	24 05.0	113 40.0	ST	58 02 12	0431	129	484	2.66	100.0	4	30
143.0	26.0	24 19.0	111 48.0	ST	58 02 11	1548	57	260	2.18	100.0	15	42
143.0	30.0	24 11.0	112 03.0	ST	58 02 11	1736	138	356	3.87	100.0	44	201
143.0	35.0	24 01.0	112 22.0	ST	58 02 11	2011	146	413	3.55	100.0	32	36
143.0	40.0	23 51.0	112 40.0	ST	58 02 11	2226	144	418	3.45	100.0	37	8
147.0	20.0	23 56.0	111 03.0	ST	58 02 11	1046	140	451	3.11	100.0	26	76
147.0	25.0	23 47.0	111 23.0	ST	58 02 11	0816	118	490	2.40	100.0	21	81
147.0	30.0	23 35.5	111 41.5	ST	58 02 11	0516	133	478	2.77	100.0	205	21
147.0	40.0	23 17.0	112 22.0	ST	58 02 11	0031	135	423	3.18	100.0	211	81
150.0	19.0	23 24.0	110 38.5	ST	58 02 10	0826	127	508	2.51	100.0	12	43
150.0	25.0	23 10.0	111 03.0	ST	58 02 10	1246	120	578	2.08	100.0	4	85
150.0	30.0	23 01.0	111 19.0	ST	58 02 10	1445	146	451	3.23	100.0	30	66
150.0	40.0	22 42.0	111 57.5	ST	58 02 10	2011	133	455	2.92	100.0	91	69

TABLE 1. (cont.)

CalCOFI Cruise 5803

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
70.0	52.0	36	08.5	121	49.8	BD	58	03	01	1321	134	444	3.01	100.0	287	227
70.0	60.0	35	53.0	122	23.0	BD	58	03	01	1856	140	440	3.18	100.0	36	24
70.0	70.0	35	33.0	123	06.0	BD	58	03	02	0141	142	420	3.37	100.0	704	1058
70.0	80.0	35	13.0	123	48.0	BD	58	03	02	0806	142	422	3.37	100.0	149	82
70.0	90.0	34	53.0	124	30.0	BD	58	03	02	1401	132	484	2.73	100.0	10	54
73.0	55.0	35	27.5	121	37.5	BD	58	03	01	0556	143	469	3.06	100.0	394	5312
73.0	90.0	34	19.0	124	06.0	BD	58	03	02	1911	141	406	3.48	100.0	68	19
77.0	55.0	34	54.5	121	13.0	BD	58	02	28	1056	143	417	3.43	100.0	47	217
77.0	60.0	34	44.0	121	34.0	BD	58	02	28	1501	142	423	3.36	100.0	62	254
77.0	90.0	33	49.0	123	42.0	BD	58	03	03	0036	137	429	3.20	100.0	223	27
80.0	51.0	34	26.5	120	32.5	BD	58	03	04	0843	68	223	3.05	100.0	221	71
80.0	55.0	34	19.0	120	48.0	BD	58	03	04	0541	147	469	3.12	100.0	218	1145
80.0	60.0	34	09.0	121	09.0	BD	58	03	04	0126	132	460	2.87	100.0	150	69
80.0	70.0	33	49.0	121	51.0	BD	58	03	03	1941	137	462	2.96	100.0	113	972
80.0	80.0	33	29.0	122	32.0	BD	58	03	03	1341	138	441	3.13	100.0	36	18
80.0	90.0	33	21.5	123	21.0	BD	58	03	03	0626	148	435	3.40	100.0	13	57
82.0	47.0	34	15.0	119	58.0	BD	58	03	04	1236	135	437	3.09	100.0	77	1254
83.0	40.0	34	14.0	119	22.0	BD	58	03	04	1639	15	94	1.60	100.0	196	3022
83.0	43.0	34	08.0	119	34.0	BD	58	03	04	1841	145	481	3.01	100.0	669	989
83.0	51.0	33	52.0	120	08.5	BD	58	03	04	2342	112	422	2.64	100.0	74	174
83.0	55.0	33	44.0	120	24.5	BD	58	03	05	0231	132	444	2.98	100.0	357	1725
83.0	60.0	33	34.0	120	45.0	BD	58	03	05	0541	140	385	3.62	100.0	496	812
83.0	70.0	33	14.5	121	26.0	BD	58	03	05	1121	140	375	3.74	100.0	11	6
83.0	80.0	32	54.5	122	07.5	BD	58	03	05	1906	144	396	3.63	100.0	17	5
87.0	35.0	33	50.0	118	37.0	BD	58	03	07	2152	145	408	3.55	100.0	75	2324
87.0	40.0	33	40.0	118	58.5	BD	58	03	08	0042	142	443	3.20	100.0	463	3658
87.0	45.0	33	32.0	119	19.0	BD	58	03	08	0351	144	372	3.86	100.0	246	1628
87.0	50.0	33	20.0	119	39.5	BD	58	03	08	0648	70	221	3.18	100.0	220	439
87.0	55.0	33	10.0	120	00.5	BD	58	03	08	0956	140	421	3.33	100.0	59	819
87.0	60.0	33	00.0	120	21.5	BD	58	03	08	1306	139	392	3.55	100.0	6	117
87.0	70.0	32	39.5	121	02.0	BD	58	03	06	0806	128	466	2.75	100.0	17	8
87.0	80.0	32	19.5	121	43.0	BD	58	03	06	0140	154	373	4.12	100.0	76	2
90.0	28.0	33	28.5	117	46.7	BD	58	03	07	1516	141	434	3.25	100.0	399	928
90.0	30.0	33	24.5	117	55.0	BD	58	03	07	1411	142	398	3.57	100.0	550	372
90.0	37.0	33	11.0	118	23.5	BD	58	03	07	0921	137	461	2.97	100.0	83	1362
90.0	45.0	32	54.5	118	56.0	BD	58	03	12	1131	135	416	3.24	100.0	78	565
90.0	50.0	32	44.6	119	16.5	BD	58	03	12	0816	150	371	4.04	100.0	263	333
90.0	55.0	32	34.8	119	36.8	BD	58	03	12	0521	148	388	3.81	100.0	252	855
90.0	60.0	32	26.5	119	58.0	BD	58	03	12	0141	150	448	3.34	100.0	154	97
90.0	70.0	32	04.5	120	39.0	BD	58	03	11	1856	146	477	3.06	100.0	45	25
90.0	80.0	31	45.0	121	19.0	BD	58	03	11	1216	152	348	4.37	100.0	9	11
90.0	90.0	31	18.0	121	42.5	BD	58	03	11	0341	137	415	3.29	100.0	13	109
93.0	27.0	32	56.0	117	19.2	BD	58	03	09	0741	108	368	2.94	100.0	142	595
93.0	30.0	32	50.0	117	31.5	BD	58	03	09	0921	141	404	3.49	100.0	267	358
93.0	35.0	32	40.0	117	52.0	BD	58	03	09	1236	143	387	3.69	100.0	121	204

TABLE 1. (cont.)

CalCOFI Cruise 5803

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	40.0	32	30.0	118	12.5	BD	58	03	09	1541	150	405	3.70	100.0	63	134
93.0	45.0	32	20.0	118	32.5	BD	58	03	09	1826	146	455	3.21	100.0	39	60
93.0	50.0	32	10.0	118	53.5	BD	58	03	09	2126	149	419	3.55	100.0	16	192
93.0	60.0	31	52.0	119	26.0	BD	58	03	10	0411	146	416	3.50	100.0	52	144
93.0	70.0	31	29.0	120	14.0	BD	58	03	10	1141	135	394	3.42	100.0	12	46
93.0	80.0	31	10.0	120	54.5	BD	58	03	10	1801	143	401	3.57	100.0	63	11
97.0	30.0	32	15.4	117	08.8	BD	58	03	14	2114	52	201	2.57	100.0	226	557
97.0	32.0	32	11.5	117	17.0	BD	58	03	14	2226	142	423	3.36	100.0	419	5165
97.0	40.0	31	55.5	117	50.0	BD	58	03	15	0226	144	436	3.31	100.0	39	121
97.0	45.0	31	45.0	118	10.0	BD	58	03	15	0541	138	433	3.19	100.0	12	162
97.0	50.0	31	35.5	118	30.5	BD	58	03	15	0851	145	413	3.51	100.0	1	1
97.0	60.0	31	15.5	119	10.5	BD	58	03	15	1426	144	392	3.68	100.0	5	38
97.0	70.0	30	55.0	119	50.5	BD	58	03	15	2046	147	407	3.61	100.0	14	343
97.0	80.0	30	35.5	120	31.0	BD	58	03	16	0301	140	398	3.51	100.0	24	241
100.0	30.0	31	40.5	116	46.5	BD	58	03	17	2141	143	416	3.43	100.0	349	4578
100.0	32.0	31	35.7	116	54.6	BD	58	03	17	1951	144	407	3.55	100.0	130	1444
100.0	40.0	31	18.8	117	28.8	BD	58	03	17	1416	141	425	3.31	100.0	3	814
100.0	45.0	31	10.5	117	47.0	BD	58	03	17	1131	142	381	3.72	100.0	7	116
100.0	50.0	31	01.0	118	07.0	BD	58	03	17	0846	145	408	3.56	100.0	6	74
100.0	60.0	30	37.5	118	47.5	BD	58	03	17	0316	140	403	3.47	100.0	13	58
100.0	70.0	30	19.2	119	27.0	BD	58	03	16	2156	146	396	3.68	100.0	41	451
100.0	80.0	30	01.0	120	07.0	BD	58	03	16	1636	143	416	3.44	100.0	29	250
100.0	90.0	29	40.5	120	47.0	BD	58	03	16	1151	138	386	3.59	100.0	11	250
103.0	30.0	31	05.2	116	25.0	BD	58	03	18	0258	66	212	3.11	100.0	349	637
103.0	35.0	30	55.5	116	45.0	BD	58	03	18	0601	141	409	3.44	100.0	303	1684
103.0	40.0	30	45.5	117	05.5	BD	58	03	18	0901	147	393	3.75	100.0	24	1088
103.0	45.0	30	36.6	117	25.0	BD	58	03	18	1216	137	378	3.61	100.0	7	1230
103.0	50.0	30	25.5	117	45.5	BD	58	03	18	1511	137	423	3.25	100.0	40	267
103.0	60.0	30	06.0	118	25.5	BD	58	03	18	2056	141	400	3.53	100.0	14	25
103.0	70.0	29	45.2	119	10.0	BD	58	03	19	0201	140	399	3.50	100.0	17	95
107.0	32.0	30	25.8	116	11.0	BD	58	03	20	0621	134	433	3.09	100.0	615	311
107.0	35.0	30	20.0	116	23.0	BD	58	03	20	0401	144	377	3.82	50.0	738	774
107.0	40.0	30	10.5	116	43.5	BD	58	03	20	0111	139	416	3.35	100.0	264	191
107.0	45.0	30	00.0	117	03.0	BD	58	03	19	2226	139	430	3.22	100.0	132	101
107.0	50.0	29	50.5	117	23.5	BD	58	03	19	1941	144	398	3.62	100.0	177	93
107.0	60.0	29	31.0	118	03.0	BD	58	03	19	1406	144	397	3.64	100.0	7	76
107.0	70.0	29	11.0	118	43.0	BD	58	03	19	0806	145	405	3.58	100.0	24	55
110.0	33.0	29	51.0	115	55.0	ST	58	03	19	1242	104	343	3.03	100.0	574	1065
110.0	35.0	29	49.0	116	11.0	ST	58	03	19	1041	158	370	4.27	100.0	259	186
110.0	40.0	29	39.0	116	30.0	ST	58	03	19	0811	147	383	3.84	100.0	311	359
110.0	45.0	29	29.0	116	48.0	ST	58	03	19	0551	145	436	3.31	100.0	76	162
110.0	50.0	29	20.5	117	05.0	ST	58	03	19	0331	141	447	3.16	100.0	15	103
110.0	60.0	29	02.5	117	40.5	ST	58	03	18	2221	142	440	3.22	100.0	59	185
110.0	70.0	28	41.0	118	21.0	ST	58	03	18	1706	133	429	3.10	100.0	0	194
110.0	80.0	28	20.0	119	00.0	ST	58	03	18	1236	142	458	3.11	100.0	4	66

TABLE 1. (cont.)

CalCOFI Cruise 5803

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	90.0	28	00.0	119	36.0	ST	58	03	18	0746	140	456	3.07	100.0	1	88
113.0	30.0	29	22.5	115	17.5	ST	58	03	17	0224	34	161	2.11	100.0	142	5
113.0	35.0	29	12.0	115	39.0	ST	58	03	17	0441	138	440	3.13	100.0	668	294
113.0	40.0	29	02.0	115	58.5	ST	58	03	17	0711	133	453	2.93	100.0	40	55
113.0	45.0	28	52.0	116	18.0	ST	58	03	17	0946	141	429	3.28	100.0	17	154
113.0	50.0	28	42.0	116	40.0	ST	58	03	17	1316	137	433	3.16	100.0	9	47
113.0	60.0	28	24.0	117	16.0	ST	58	03	17	1851	142	457	3.12	100.0	11	18
113.0	70.0	28	05.0	117	56.0	ST	58	03	17	2306	142	428	3.31	100.0	14	136
117.0	26.0	28	56.0	114	41.0	ST	58	03	16	2208	57	234	2.43	100.0	337	69
117.0	30.0	28	48.0	114	56.5	ST	58	03	16	2018	79	291	2.71	100.0	150	1500
117.0	35.0	28	38.0	115	16.0	ST	58	03	16	1736	134	461	2.91	100.0	343	191
117.0	40.0	28	28.0	115	35.5	ST	58	03	16	1331	135	505	2.67	100.0	58	92
117.0	45.0	28	18.0	115	55.2	ST	58	03	16	1106	138	482	2.85	100.0	37	85
117.0	50.0	28	08.0	116	15.0	ST	58	03	16	0816	139	445	3.13	100.0	41	35
117.0	60.0	27	47.5	116	54.0	ST	58	03	16	0321	139	481	2.89	100.0	53	36
117.0	70.0	27	27.5	117	32.5	ST	58	03	15	2301	136	458	2.97	100.0	7	24
118.0	39.0	28	18.5	115	24.0	ST	58	03	16	1511	136	478	2.85	100.0	288	278
119.0	33.0	28	19.0	114	53.0	ST	58	03	14	0702	76	304	2.51	100.0	270	259
120.0	25.0	28	23.0	114	14.5	ST	58	03	14	1039	23	147	1.54	100.0	450	2114
120.0	30.0	28	13.0	114	34.0	ST	58	03	14	1245	66	231	2.87	100.0	455	629
120.0	35.0	28	03.0	114	54.0	ST	58	03	14	1508	48	254	1.90	100.0	1750	271
120.0	40.0	27	56.5	115	14.0	ST	58	03	14	1714	20	94	2.15	100.0	34	21
120.0	45.0	27	45.0	115	34.0	ST	58	03	14	1921	143	421	3.39	100.0	513	292
120.0	50.0	27	34.3	115	53.4	ST	58	03	14	2236	138	462	2.99	100.0	662	72
120.0	60.0	27	19.0	116	34.0	ST	58	03	15	0301	137	478	2.88	100.0	107	20
120.0	70.0	26	59.0	117	13.5	ST	58	03	15	0711	136	438	3.09	100.0	21	32
120.0	80.0	26	39.0	117	51.0	ST	58	03	15	1216	132	471	2.80	100.0	1	20
120.0	90.0	26	25.0	118	18.0	ST	58	03	15	1516	131	474	2.76	100.0	3	13
123.0	37.0	27	24.0	114	39.7	ST	58	03	13	0233	60	219	2.72	100.0	147	254
123.0	42.0	27	13.5	114	59.5	ST	58	03	12	2346	135	458	2.95	100.0	55	310
123.0	50.0	26	53.5	115	34.0	ST	58	03	12	1956	142	444	3.19	100.0	771	75
123.0	60.0	26	34.0	116	12.0	ST	58	03	12	1526	135	498	2.72	100.0	21	168
127.0	34.0	26	55.3	114	06.0	ST	58	03	11	2303	69	250	2.77	100.0	234	21
127.0	40.0	26	43.5	114	29.5	ST	58	03	12	0141	134	382	3.50	100.0	1016	511
127.0	45.0	26	33.0	114	50.0	ST	58	03	12	0406	138	463	2.98	100.0	200	90
127.0	50.0	26	20.0	115	09.0	ST	58	03	12	0631	142	453	3.14	100.0	61	45
127.0	60.0	26	00.0	115	47.0	ST	58	03	12	1101	135	460	2.93	100.0	5	33
130.0	30.0	26	26.0	113	29.0	ST	58	03	11	1813	56	187	3.02	100.0	162	180
130.0	35.0	26	16.0	113	45.0	ST	58	03	11	1546	144	440	3.28	100.0	6	125
130.0	40.0	26	04.0	114	03.0	ST	58	03	11	1326	138	470	2.94	100.0	5	85
130.0	45.0	25	52.8	114	20.5	ST	58	03	11	1101	140	409	3.43	100.0	39	42
130.0	50.0	25	41.3	114	38.5	ST	58	03	11	0831	115	433	2.65	100.0	22	22
130.0	60.0	25	27.0	115	16.0	ST	58	03	11	0356	143	423	3.37	100.0	9	24
133.0	25.0	25	55.5	112	48.5	ST	58	03	10	1053	78	292	2.67	100.0	67	34
133.0	30.0	25	49.0	113	01.0	ST	58	03	10	1221	126	501	2.52	100.0	54	21

TABLE 1. (cont.)

CalCOFI Cruise 5803

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	35.0	25 39.0	113 24.0	ST	58 03 10	1446	144	392	3.67	100.0	256	171
133.0	40.0	25 31.0	113 44.0	ST	58 03 10	1721	139	425	3.27	100.0	156	257
133.0	50.0	25 14.5	114 24.0	ST	58 03 10	2201	145	432	3.35	100.0	16	21
137.0	23.0	25 26.0	112 26.5	ST	58 03 10	0618	69	239	2.87	100.0	48	3
137.0	30.0	25 14.0	112 50.5	ST	58 03 10	0316	139	463	3.00	50.0	241	11
137.0	35.0	25 04.0	113 11.0	ST	58 03 10	0046	143	449	3.18	100.0	26	9
137.0	40.0	24 55.0	113 30.5	ST	58 03 09	2226	144	415	3.47	100.0	37	54
137.0	50.0	24 40.0	114 02.0	ST	58 03 09	1641	136	433	3.15	100.0	1	2
140.0	30.0	24 43.5	112 26.0	ST	58 03 09	0116	96	253	3.80	100.0	54	24
140.0	35.0	24 36.0	112 43.0	ST	58 03 09	0341	141	471	2.99	100.0	18	48
140.0	40.0	24 25.0	113 04.0	ST	58 03 09	0611	142	459	3.09	100.0	89	44
140.0	50.0	24 04.0	113 42.0	ST	58 03 09	1131	143	428	3.34	100.0	6	15
143.0	26.0	24 19.0	111 48.0	ST	58 03 08	2028	79	207	3.80	100.0	113	6
143.0	30.0	24 11.0	112 03.0	ST	58 03 08	1821	133	294	2.80	100.0	82	50
143.0	35.0	24 00.2	112 23.0	ST	58 03 08	1521	134	463	2.89	100.0	22	37
143.0	40.0	23 51.0	112 40.5	ST	58 03 08	1251	134	453	2.97	100.0	86	38
147.0	20.0	23 56.0	111 03.5	ST	58 03 07	2151	138	380	3.62	100.0	7	6
147.0	25.0	23 46.5	111 22.5	ST	58 03 08	0011	142	453	3.14	100.0	22	34
147.0	30.0	23 36.0	111 41.5	ST	58 03 08	0321	141	455	3.09	100.0	131	463
147.0	40.0	23 17.2	112 20.0	ST	58 03 08	0811	147	413	3.56	100.0	22	66
150.0	19.0	23 23.7	110 39.0	ST	58 03 07	1706	138	490	2.82	100.0	5	10
150.0	25.0	23 04.5	111 02.0	ST	58 03 07	1326	133	495	2.68	100.0	25	54
150.0	30.0	22 54.5	111 21.0	ST	58 03 07	1026	138	447	3.09	100.0	10	38
150.0	40.0	22 35.0	111 59.0	ST	58 03 07	0631	124	490	2.52	100.0	0	60

TABLE 1. (cont.)

CalCOFI Cruise 5804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
47.0	50.0	40	14.4	124	31.6	SB	58	03	31	0556	138	462	2.99	50.0	64	35
47.0	55.0	40	04.4	124	55.0	SB	58	03	31	0911	127	527	2.40	100.0	62	62
60.0	52.0	37	53.5	123	01.8	BD	58	04	16	2058	68	230	2.94	100.0	1	8
60.0	55.0	37	47.5	123	15.0	BD	58	04	16	2323	107	308	3.47	100.0	14	42
60.0	60.0	37	37.0	123	37.0	BD	58	04	17	0311	139	414	3.37	100.0	38	106
60.0	65.0	37	27.0	123	59.5	BD	58	04	17	0611	146	343	4.27	100.0	7	79
60.0	70.0	37	17.0	124	21.5	BD	58	04	17	1051	142	409	3.47	100.0	7	49
60.0	80.0	36	57.0	125	04.0	BD	58	04	17	1711	132	429	3.08	100.0	11	40
60.0	90.0	36	37.0	125	47.0	BD	58	04	17	2316	138	408	3.39	100.0	5	9
60.0	100.0	36	17.0	126	27.2	BD	58	04	18	0546	136	407	3.35	100.0	3	302
60.0	110.0	35	55.0	127	15.0	BD	58	04	18	1236	143	354	4.03	100.0	4	75
63.0	52.0	37	19.0	122	36.2	BD	58	04	16	1343	67	232	2.91	100.0	7	304
63.0	110.0	35	21.5	126	46.0	BD	58	04	18	1841	137	405	3.38	100.0	31	163
67.0	50.0	36	49.0	122	04.6	BD	58	04	16	0657	91	284	3.20	100.0	10	127
67.0	55.0	36	38.3	122	24.5	BD	58	04	16	0411	139	403	3.45	100.0	37	216
67.0	60.0	36	28.5	122	46.2	BD	58	04	16	0006	145	394	3.68	100.0	39	39
67.0	65.0	36	19.0	123	09.0	BD	58	04	15	1856	144	395	3.65	100.0	36	29
67.0	70.0	36	08.0	123	29.5	BD	58	04	15	1446	143	397	3.61	100.0	6	14
67.0	80.0	35	47.5	124	12.0	BD	58	04	15	0741	138	417	3.30	100.0	32	72
67.0	90.0	35	28.0	124	55.0	BD	58	04	15	0016	140	380	3.68	100.0	39	56
67.0	110.0	34	46.2	126	18.8	BD	58	04	19	0041	145	359	4.05	100.0	27	58
70.0	52.0	36	06.3	121	49.5	SB	58	04	09	0001	130	489	2.66	100.0	163	19
70.0	55.0	36	03.0	122	02.0	BD	58	04	13	1731	135	482	2.81	100.0	26	42
70.0	60.0	35	53.0	122	23.0	BD	58	04	13	2056	145	429	3.37	100.0	146	23
70.0	65.0	35	43.0	122	45.0	BD	58	04	14	0001	140	425	3.30	100.0	31	40
70.0	70.0	35	32.5	123	07.5	BD	58	04	14	0346	138	420	3.28	100.0	39	11
70.0	75.0	35	21.0	123	31.3	BD	58	04	14	0656	137	431	3.18	100.0	9	6
70.0	80.0	35	12.0	123	55.2	BD	58	04	14	1041	140	410	3.41	100.0	24	31
70.0	85.0	34	59.0	124	18.0	BD	58	04	14	1346	138	417	3.30	100.0	21	28
70.0	90.0	34	53.0	124	30.0	BD	58	04	14	1706	143	472	3.04	100.0	26	100
70.0	100.0	34	31.2	125	19.0	BD	58	04	19	1356	144	349	4.12	100.0	4	71
70.0	110.0	34	13.0	125	54.0	BD	58	04	19	0701	133	355	3.76	100.0	20	212
73.0	51.0	35	33.8	121	20.5	SB	58	04	09	0516	132	482	2.73	100.0	216	50
73.0	55.0	35	27.5	121	37.5	BD	58	04	12	1246	133	483	2.76	100.0	21	65
73.0	60.0	35	18.0	121	58.4	BD	58	04	12	0907	139	401	3.46	100.0	35	6
73.0	65.0	35	10.0	122	19.0	BD	58	04	12	0511	143	438	3.28	100.0	51	31
73.0	70.0	34	58.2	122	38.8	BD	58	04	12	0216	139	441	3.15	100.0	132	24
73.0	75.0	34	48.0	123	01.5	BD	58	04	11	2216	130	448	2.67	100.0	49	34
73.0	80.0	34	38.2	123	21.7	BD	58	04	11	1916	107	493	2.16	100.0	154	18
73.0	85.0	34	28.5	123	42.5	BD	58	04	11	1556	144	494	2.91	100.0	16	14
73.0	90.0	34	18.2	124	04.0	BD	58	04	11	1246	143	416	3.45	100.0	21	63
77.0	50.0	35	01.4	120	52.5	SB	58	04	09	1157	139	441	3.16	100.0	42	36
77.0	55.0	34	52.5	121	13.5	SB	58	04	09	1441	136	406	3.35	100.0	17	64
77.0	60.0	34	42.0	121	35.5	SB	58	04	09	1816	140	433	3.23	100.0	376	80
77.0	65.0	34	32.0	121	55.0	SB	58	04	09	2114	111	649	1.71	100.0	110	15

TABLE 1. (cont.)

CalCOFI Cruise 5804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
77.0	70.0	34	22.0	122	16.0	SB	58	04	09	2356	118	426	2.77	100.0	141	28
77.0	75.0	34	14.0	122	34.5	SB	58	04	11	0211	136	454	3.01	100.0	166	38
77.0	80.0	34	03.0	122	57.5	SB	58	04	10	2341	137	491	2.79	100.0	73	40
77.0	85.0	33	53.5	123	17.5	SB	58	04	10	2106	116	529	2.20	100.0	85	40
77.0	90.0	33	31.5	123	30.0	BD	58	04	11	0322	132	409	3.23	100.0	74	325
80.0	51.0	34	26.5	120	32.5	BD	58	04	09	1328	75	280	2.68	100.0	5	3
80.0	55.0	34	19.0	120	48.0	BD	58	04	09	1841	138	446	3.08	100.0	619	90
80.0	60.0	34	09.0	121	09.0	BD	58	04	09	2231	136	438	3.11	100.0	390	112
80.0	65.0	33	59.0	121	30.0	BD	58	04	10	0136	137	422	3.25	100.0	275	71
80.0	70.0	33	47.0	121	54.0	BD	58	04	10	0606	138	458	3.02	100.0	91	14
80.0	75.0	33	40.0	122	15.0	BD	58	04	10	0836	138	456	3.02	100.0	24	42
80.0	80.0	33	27.0	122	35.0	BD	58	04	10	1245	137	457	3.00	100.0	55	24
80.0	85.0	33	18.0	122	52.0	BD	58	04	10	1526	134	457	2.94	100.0	18	36
80.0	90.0	33	06.0	123	14.0	BD	58	04	10	1836	125	489	2.56	100.0	10	201
80.0	100.0	32	49.0	123	54.0	BD	58	04	06	1601	107	504	2.12	100.0	19	54
80.0	110.0	32	29.0	124	34.5	BD	58	04	06	1016	135	351	2.86	100.0	10	13
80.0	120.0	32	05.0	125	19.0	BD	58	04	06	0206	136	488	2.78	100.0	17	33
80.0	130.0	31	49.0	125	56.0	BD	58	04	05	2111	136	490	2.77	100.0	20	50
80.0	145.0	31	18.5	126	58.0	BD	58	04	05	1235	136	504	2.70	100.0	3	60
82.0	47.0	34	14.5	119	59.0	PT	58	04	01	1831	140	471	2.97	100.0	393	367
83.0	40.0	34	14.0	119	21.7	PT	58	04	01	1159	12	90	1.40	100.0	394	1324
83.0	43.0	34	09.0	119	33.5	PT	58	04	01	1431	133	478	2.77	100.0	1337	337
83.0	51.0	33	52.0	120	07.5	PT	58	04	01	2326	125	402	4.16	100.0	334	199
83.0	55.0	33	44.5	120	23.0	PT	58	04	02	0211	127	471	2.71	100.0	117	1591
83.0	60.0	33	35.0	120	43.0	PT	58	04	02	0716	144	442	3.26	100.0	2138	254
83.0	65.0	33	28.0	121	07.5	PT	58	04	04	0851	147	446	3.29	100.0	117	27
83.0	70.0	33	16.5	121	27.0	PT	58	04	04	1146	145	441	3.28	100.0	742	14
83.0	75.0	33	08.0	121	43.0	PT	58	04	04	1516	144	413	3.49	100.0	267	4
83.0	80.0	32	59.0	121	58.0	PT	58	04	04	1836	146	444	3.30	100.0	309	8
87.0	35.0	33	50.0	118	37.5	PT	58	04	06	0626	144	427	3.38	100.0	217	392
87.0	40.0	33	40.0	118	58.5	PT	58	04	06	0256	134	434	3.08	100.0	632	631
87.0	45.0	33	30.0	119	19.1	PT	58	04	05	2311	137	439	3.12	100.0	422	669
87.0	50.0	33	20.1	119	39.5	PT	58	04	05	1958	65	232	2.78	100.0	60	535
87.0	55.0	33	11.0	120	02.0	PT	58	04	05	1656	133	458	2.91	100.0	84	243
87.0	60.0	33	02.0	120	22.5	PT	58	04	05	1341	134	459	2.92	100.0	33	40
87.0	65.0	32	50.0	120	42.0	PT	58	04	05	1036	136	428	3.19	100.0	48	47
87.0	70.0	32	39.5	121	03.0	PT	58	04	05	0726	149	399	3.73	100.0	30	36
87.0	75.0	32	30.0	121	23.0	PT	58	04	05	0336	130	449	2.89	100.0	92	23
87.0	80.0	32	20.0	121	44.0	PT	58	04	05	0016	134	489	2.75	100.0	78	26
90.0	28.0	33	28.5	117	47.0	PT	58	04	07	1641	139	434	3.20	100.0	131	111
90.0	30.0	33	24.5	117	55.0	PT	58	04	07	1906	154	497	3.10	100.0	637	121
90.0	37.0	33	10.5	118	23.5	PT	58	04	08	1101	140	432	3.23	100.0	119	1193
90.0	45.0	32	55.0	118	56.5	PT	58	04	08	1556	125	473	2.65	100.0	133	355
90.0	55.0	32	32.0	119	36.5	PT	58	04	09	0650	140	363	3.85	100.0	187	2036
90.0	60.0	32	26.0	119	57.0	PT	58	04	09	1111	148	393	3.78	100.0	101	326

TABLE 1. (cont.)

CalCOFI Cruise 5804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	65.0	32	15.5	120	18.0	PT	58	04	09	1511	100	514	1.95	100.0	20	187
90.0	70.0	32	02.0	120	45.0	PT	58	04	09	1940	148	445	3.32	100.0	145	106
90.0	75.0	31	55.0	120	58.0	PT	58	04	09	2346	122	524	2.32	100.0	174	557
90.0	85.0	31	35.0	121	39.5	PT	58	04	10	0726	159	412	3.85	100.0	15	134
90.0	90.0	31	27.0	121	57.5	PT	58	04	10	1056	143	452	3.16	100.0	11	125
90.0	100.0	31	06.0	122	33.0	PT	58	04	10	1941	148	422	3.51	100.0	13	23
90.0	110.0	30	45.0	123	08.5	PT	58	04	11	0220	140	470	2.99	100.0	14	13
90.0	120.0	30	26.5	123	58.0	PT	58	04	11	1111	139	457	3.04	100.0	4	44
90.0	130.0	30	06.0	124	38.0	PT	58	04	11	1956	144	457	3.16	100.0	37	261
90.0	145.0	29	36.0	125	38.0	PT	58	04	12	0536	128	468	2.73	100.0	18	0
93.0	27.0	32	56.0	117	20.0	PT	58	04	18	1631	142	490	2.90	100.0	127	163
93.0	30.0	32	50.0	117	31.5	PT	58	04	18	1911	122	465	2.63	100.0	122	151
93.0	35.0	32	40.0	117	52.0	PT	58	04	18	2241	136	445	3.05	100.0	323	399
93.0	40.0	32	30.0	118	12.0	PT	58	04	19	0211	137	409	3.34	100.0	95	114
93.0	50.0	32	10.0	118	53.0	PT	58	04	19	0921	137	428	3.19	100.0	73	161
93.0	55.0	32	00.0	119	13.0	PT	58	04	19	1240	128	458	2.78	100.0	47	103
93.0	60.0	31	50.0	119	33.0	PT	58	04	19	1641	148	469	3.16	100.0	34	105
93.0	65.0	31	41.5	119	55.0	PT	58	04	19	2156	139	470	2.95	100.0	92	56
93.0	70.0	31	30.0	120	29.0	PT	58	04	20	0816	139	445	3.12	100.0	28	215
93.0	80.0	31	11.0	120	53.0	PT	58	04	20	1406	137	439	3.12	100.0	130	378
93.0	145.0	29	01.0	125	19.0	PT	58	04	12	1051	138	457	3.03	100.0	25	269
97.0	30.0	32	15.5	117	08.5	PT	58	04	22	0623	56	178	3.14	100.0	155	258
97.0	32.0	32	12.5	117	17.0	PT	58	04	22	0441	135	441	3.06	100.0	542	26
97.0	35.0	32	04.0	117	28.5	PT	58	04	22	0146	133	458	2.91	100.0	270	21
97.0	40.0	31	55.5	117	50.0	PT	58	04	21	2251	135	449	3.01	100.0	425	59
97.0	45.0	31	43.0	118	09.5	PT	58	04	21	1906	135	454	2.98	100.0	331	123
97.0	50.0	31	36.0	118	31.0	PT	58	04	21	1606	129	472	2.73	100.0	172	124
97.0	55.0	31	26.0	118	50.0	PT	58	04	21	1226	137	458	2.99	100.0	63	80
97.0	60.0	31	19.0	119	05.5	PT	58	04	21	1016	128	458	2.80	100.0	31	67
97.0	65.0	31	06.0	119	31.0	PT	58	04	21	0636	139	436	3.19	100.0	38	248
97.0	70.0	30	56.0	119	51.0	PT	58	04	21	0311	135	400	3.38	100.0	91	92
97.0	75.0	30	46.0	120	11.0	PT	58	04	20	2321	140	432	3.23	100.0	91	145
97.0	80.0	30	36.0	120	31.0	PT	58	04	20	2016	144	449	3.20	100.0	22	152
97.0	145.0	28	26.5	124	47.0	PT	58	04	12	1656	141	467	3.01	100.0	2	18
100.0	29.0	31	42.0	116	43.5	PT	58	04	16	0016	142	432	3.28	100.0	441	626
100.0	30.0	31	41.0	116	46.5	PT	58	04	15	2321	135	449	3.01	100.0	684	959
100.0	35.0	31	30.0	117	00.5	PT	58	04	15	2016	134	426	3.14	100.0	121	68
100.0	40.0	31	21.0	117	24.0	PT	58	04	15	1541	137	431	3.19	100.0	44	222
100.0	45.0	31	12.0	117	48.0	PT	58	04	15	1226	139	463	3.01	100.0	42	316
100.0	55.0	30	57.0	118	26.5	PT	58	04	15	0606	140	452	3.10	100.0	19	89
100.0	60.0	30	45.5	118	46.0	PT	58	04	15	0301	133	446	2.99	100.0	44	202
100.0	65.0	30	33.5	119	04.5	PT	58	04	14	2326	140	438	3.19	100.0	24	352
100.0	70.0	30	22.5	119	20.5	PT	58	04	14	2051	136	453	3.01	100.0	19	277
100.0	75.0	30	10.5	119	47.0	PT	58	04	14	1731	137	451	3.04	100.0	26	49
100.0	80.0	30	01.0	120	07.0	PT	58	04	14	1421	137	450	3.03	100.0	7	91

TABLE 1. (cont.)

CalCOFI Cruise 5804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	85.0	29	51.0	120	26.5	PT	58	04	14	1041	139	451	3.08	100.0	6	95
100.0	90.0	29	40.0	120	52.0	PT	58	04	14	0626	136	455	2.98	100.0	2	17
100.0	100.0	29	21.0	121	26.0	PT	58	04	13	2341	121	500	2.41	100.0	3	17
100.0	110.0	29	04.0	122	02.0	PT	58	04	13	1826	136	469	2.89	100.0	1	131
100.0	120.0	28	50.0	122	41.0	PT	58	04	13	1336	134	476	2.81	100.0	21	38
100.0	130.0	28	27.0	123	21.0	PT	58	04	13	0741	131	495	2.65	100.0	4	44
100.0	145.0	27	52.0	124	22.0	PT	58	04	12	2246	131	449	2.93	100.0	1	19
103.0	30.0	31	05.2	116	25.0	BD	58	04	23	0453	69	244	2.82	100.0	182	504
103.0	35.0	30	55.5	116	45.0	BD	58	04	23	0827	141	437	3.22	100.0	128	311
103.0	40.0	30	45.0	117	05.5	BD	58	04	23	1201	141	423	3.34	100.0	40	136
103.0	45.0	30	35.0	117	25.8	BD	58	04	23	1516	139	461	3.03	100.0	44	50
103.0	50.0	30	22.0	117	45.0	BD	58	04	23	1916	140	463	3.02	100.0	170	19
103.0	55.0	30	16.5	118	04.0	BD	58	04	23	2211	139	413	3.36	100.0	82	24
103.0	60.0	30	06.0	118	25.5	BD	58	04	24	0211	141	412	3.43	100.0	122	65
103.0	65.0	29	57.0	118	43.5	BD	58	04	24	0511	138	435	3.17	100.0	37	29
103.0	70.0	29	48.5	119	00.8	BD	58	04	24	0806	142	417	3.41	100.0	17	150
103.0	75.0	29	36.0	119	25.0	BD	58	04	24	1202	138	434	3.18	100.0	14	19
103.0	80.0	29	26.5	119	45.5	BD	58	04	24	1516	141	412	3.41	100.0	21	47
103.0	85.0	29	17.0	120	05.0	BD	58	04	24	1806	142	416	3.40	100.0	12	93
103.0	90.0	29	06.0	120	25.0	BD	58	04	24	2111	137	435	3.15	100.0	42	466
107.0	32.0	30	25.8	116	11.0	BD	58	04	26	2106	142	313	4.53	100.0	127	54
107.0	35.0	30	20.0	116	23.0	BD	58	04	26	1821	144	311	4.64	100.0	135	56
107.0	40.0	30	10.7	116	43.0	BD	58	04	26	1432	142	300	4.72	100.0	85	93
107.0	45.0	29	57.8	117	03.4	BD	58	04	26	1041	141	318	4.45	100.0	364	354
107.0	50.0	29	50.5	117	23.5	BD	58	04	26	0711	145	373	3.87	100.0	103	43
107.0	55.0	29	40.5	117	42.0	BD	58	04	26	0311	138	390	3.53	100.0	131	71
107.0	60.0	29	31.0	118	03.0	BD	58	04	26	0010	142	399	3.55	100.0	158	54
107.0	65.0	29	21.5	118	21.0	BD	58	04	25	2016	139	401	3.46	100.0	68	50
107.0	70.0	29	11.0	118	43.0	BD	58	04	25	1711	140	399	3.52	100.0	36	403
107.0	75.0	29	02.0	119	00.0	BD	58	04	25	1306	133	411	3.24	100.0	13	670
107.0	80.0	28	54.5	119	19.0	BD	58	04	25	1016	142	412	3.45	100.0	19	244
107.0	85.0	28	42.0	119	40.5	BD	58	04	25	0601	142	373	3.81	12.5	47	2776
107.0	90.0	28	32.5	120	01.5	BD	58	04	25	0301	145	399	3.64	50.0	16	1498
110.0	33.0	29	50.5	115	52.2	ST	58	04	27	1143	67	326	4.85	100.0	66	70
110.0	35.0	29	45.0	115	58.0	ST	58	04	27	1016	131	376	2.87	100.0	92	44
110.0	40.0	29	35.0	116	19.0	ST	58	04	27	0716	144	422	2.93	100.0	23	6
110.0	45.0	29	25.5	116	39.0	ST	58	04	27	0406	143	402	3.55	100.0	123	34
110.0	50.0	29	16.0	116	59.0	ST	58	04	27	0126	144	415	2.89	100.0	254	30
110.0	55.0	29	06.5	117	19.0	ST	58	04	26	2221	142	425	3.00	100.0	391	40
110.0	60.0	28	58.0	117	37.0	ST	58	04	26	1941	145	413	2.84	100.0	63	200
110.0	65.0	28	46.5	117	57.0	ST	58	04	26	1626	140	443	3.17	100.0	9	358
110.0	70.0	28	41.8	118	25.0	ST	58	04	26	0756	140	454	3.26	100.0	50	274
110.0	75.0	28	29.5	118	42.5	ST	58	04	26	0456	147	406	3.63	100.0	11	105
110.0	80.0	28	17.0	118	59.3	ST	58	04	26	0226	146	413	2.83	100.0	11	418
110.0	85.0	28	03.8	119	16.0	ST	58	04	25	2256	144	416	2.88	100.0	47	317

TABLE 1. (cont.)

CalCOFI Cruise 5804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	90.0	27	53.2	119	33.0	ST	58	04	25	2011	145	458	3.16	100.0	28	330
113.0	30.0	29	20.0	115	21.0	ST	58	04	24	0248	66	246	3.70	100.0	110	0
113.0	35.0	29	12.2	115	36.0	ST	58	04	24	0526	146	421	2.89	100.0	44	24
113.0	40.0	29	00.5	115	56.5	ST	58	04	24	0841	135	308	2.28	100.0	42	99
113.0	45.0	28	48.0	116	18.5	ST	58	04	24	1151	135	459	3.40	100.0	208	172
113.0	50.0	28	41.8	116	36.0	ST	58	04	24	1441	141	444	3.16	100.0	72	71
113.0	55.0	28	32.0	116	57.0	ST	58	04	24	1736	145	386	2.66	100.0	44	51
113.0	60.0	28	22.0	117	16.5	ST	58	04	24	2216	137	471	3.44	100.0	255	56
113.0	65.0	28	08.5	117	34.0	ST	58	04	25	0111	142	417	2.93	100.0	59	138
113.0	70.0	27	57.2	117	56.5	ST	58	04	25	0411	151	400	2.65	100.0	131	179
113.0	75.0	28	47.0	118	18.0	ST	58	04	25	0641	150	406	2.72	100.0	31	2526
113.0	80.0	27	40.0	118	32.0	ST	58	04	25	0911	141	435	3.08	100.0	18	588
113.0	85.0	27	31.0	118	52.2	ST	58	04	25	1146	144	417	2.89	100.0	11	803
113.0	90.0	27	23.0	119	12.0	ST	58	04	25	1426	137	440	3.20	100.0	0	392
117.0	26.0	28	56.0	114	41.0	ST	58	04	23	2118	49	220	4.50	100.0	533	22
117.0	30.0	28	48.0	114	56.0	ST	58	04	23	1813	80	270	3.39	100.0	140	20
117.0	35.0	28	38.0	115	16.0	ST	58	04	23	1526	143	470	3.29	100.0	17	0
117.0	40.0	28	28.0	115	35.5	ST	58	04	23	1231	129	479	3.70	100.0	20	5
117.0	45.0	28	12.8	116	02.5	ST	58	04	23	0846	137	443	3.23	100.0	50	19
117.0	50.0	28	02.5	116	21.8	ST	58	04	23	0541	141	409	2.89	100.0	101	95
117.0	55.0	27	51.0	116	40.5	ST	58	04	23	0241	141	432	3.07	100.0	186	201
117.0	60.0	27	41.0	117	00.0	ST	58	04	23	0016	144	414	2.88	100.0	138	492
117.0	65.0	27	31.0	117	19.0	ST	58	04	22	2051	142	398	2.80	100.0	62	335
117.0	70.0	27	20.0	117	39.5	ST	58	04	22	1811	142	417	2.94	100.0	70	437
117.0	75.0	27	11.5	117	58.5	ST	58	04	22	1446	135	460	3.40	100.0	30	839
117.0	80.0	27	02.7	118	14.5	ST	58	04	22	1116	132	477	3.61	100.0	18	1982
117.0	85.0	26	49.8	118	35.0	ST	58	04	22	0806	126	471	3.75	100.0	30	585
117.0	90.0	26	39.4	118	54.5	ST	58	04	22	0426	138	411	2.98	100.0	3	248
118.0	39.0	28	18.5	115	24.0	ST	58	04	20	1031	133	428	3.21	100.0	29	64
119.0	33.0	28	19.0	114	53.0	ST	58	04	11	1058	85	203	2.40	100.0	40	155
120.0	25.0	28	23.0	114	14.5	ST	58	04	11	0714	37	173	4.68	100.0	94	318
120.0	30.0	28	12.8	114	34.8	ST	58	04	11	0443	60	221	3.72	100.0	183	106
120.0	35.0	28	02.0	114	59.5	ST	58	04	11	0158	58	198	3.44	100.0	56	299
120.0	40.0	27	56.5	115	14.0	ST	58	04	10	2359	24	111	4.69	100.0	27	277
120.0	45.0	27	43.0	115	33.0	ST	58	04	20	1601	147	373	2.55	100.0	44	61
120.0	50.0	27	32.0	115	50.5	ST	58	04	20	1926	144	377	2.61	100.0	63	66
120.0	55.0	27	21.0	116	10.0	ST	58	04	20	2226	140	391	2.80	100.0	132	51
120.0	60.0	27	09.5	116	29.0	ST	58	04	21	0336	130	436	3.35	100.0	129	55
120.0	65.0	26	58.0	116	47.5	ST	58	04	21	0731	133	413	3.10	100.0	70	25
120.0	70.0	26	47.0	117	08.5	ST	58	04	21	1111	141	419	2.97	100.0	176	55
120.0	75.0	26	34.8	117	30.5	ST	58	04	21	1326	137	426	3.11	100.0	6	152
120.0	80.0	26	28.8	117	47.0	ST	58	04	21	1611	149	377	2.53	50.0	23	2116
120.0	85.0	26	21.0	118	07.2	ST	58	04	21	1906	142	389	2.74	100.0	9	1274
120.0	90.0	26	13.2	118	27.0	ST	58	04	21	2246	134	424	3.18	50.0	16	4014
123.0	37.0	27	24.6	114	41.8	ST	58	04	10	1828	49	178	3.66	100.0	77	160

TABLE 1. (cont.)

CalCOFI Cruise 5804

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	42.0	27	18.2	114	57.0	ST	58	04	10	1636	129	451	3.50	100.0	35	988
123.0	45.0	27	12.0	115	08.0	ST	58	04	10	1426	134	436	3.26	100.0	26	272
123.0	50.0	27	05.5	115	16.2	ST	58	04	10	1241	142	405	2.85	100.0	5	68
123.0	55.0	26	54.2	115	36.5	ST	58	04	10	0941	148	363	2.46	100.0	14	83
123.0	60.0	26	45.0	116	04.5	ST	58	04	10	0716	137	414	3.02	100.0	24	43
123.0	70.0	26	25.5	116	43.0	ST	58	04	10	0206	135	420	3.10	100.0	11	484
123.0	80.0	26	06.0	117	21.0	ST	58	04	09	2026	148	359	2.42	100.0	15	2666
127.0	34.0	26	56.2	114	08.0	ST	58	04	08	1043	71	215	3.03	100.0	58	26
127.0	40.0	26	44.0	114	27.2	ST	58	04	08	1356	128	459	3.58	100.0	21	110
127.0	50.0	26	25.0	115	03.2	ST	58	04	08	2146	156	362	2.32	100.0	24	91
127.0	55.0	26	13.8	115	23.0	ST	58	04	09	0026	147	386	2.63	100.0	107	92
127.0	60.0	26	05.5	115	38.5	ST	58	04	09	0346	136	136	3.09	100.0	47	41
127.0	70.0	25	44.5	116	16.4	ST	58	04	09	0856	141	392	2.77	100.0	54	42
127.0	80.0	25	25.0	116	51.0	ST	58	04	09	1401	144	413	2.87	100.0	12	539
130.0	30.0	26	31.0	113	35.5	ST	58	04	07	1029	30	122	4.09	100.0	26	81
130.0	35.0	26	22.5	113	48.5	ST	58	04	07	0826	134	396	2.96	100.0	14	103
130.0	40.0	26	12.2	114	07.0	ST	58	04	07	0526	139	395	2.84	100.0	7	31
130.0	45.0	26	07.0	114	31.5	ST	58	04	07	0156	149	395	2.65	100.0	42	49
130.0	50.0	25	57.5	114	49.2	ST	58	04	06	2336	139	417	3.01	100.0	88	104
130.0	55.0	25	47.8	115	13.5	ST	58	04	06	2016	141	412	2.92	100.0	43	181
130.0	60.0	25	38.0	115	28.0	ST	58	04	06	1746	144	412	2.86	100.0	6	36
130.0	70.0	25	11.8	116	19.0	ST	58	04	06	1156	135	446	3.31	100.0	5	51
130.0	80.0	24	51.0	116	56.5	ST	58	04	06	0646	139	420	3.02	100.0	33	23
133.0	25.0	26	02.5	112	54.5	ST	58	04	04	1828	88	255	2.92	100.0	132	5
133.0	30.0	25	54.0	113	09.5	ST	58	04	04	2041	152	412	2.71	100.0	222	53
133.0	40.0	25	34.0	113	50.0	ST	58	04	05	2056	146	383	2.62	100.0	49	18
133.0	45.0	25	21.0	114	14.0	ST	58	04	05	0521	152	375	2.47	100.0	35	56
133.0	50.0	25	12.0	114	35.0	ST	58	04	05	0846	139	399	2.88	100.0	34	341
133.0	55.0	25	03.0	114	53.5	ST	58	04	05	1121	142	405	2.86	100.0	15	181
133.0	65.0	24	49.0	115	20.0	ST	58	04	05	1556	119	475	4.00	100.0	4	90
133.0	70.0	24	38.5	115	41.0	ST	58	04	05	2011	144	417	2.88	100.0	22	80
133.0	80.0	24	14.8	116	25.0	ST	58	04	05	0116	137	421	3.08	100.0	12	95
137.0	23.0	25	34.2	112	18.7	ST	58	04	04	1103	67	190	2.85	100.0	2	1
137.0	30.0	25	14.0	112	44.5	ST	58	04	04	0716	149	373	2.50	100.0	3	12
137.0	35.0	25	04.5	113	05.0	ST	58	04	04	0401	143	408	2.85	100.0	94	52
137.0	40.0	24	55.0	113	24.0	ST	58	04	04	0146	141	406	2.88	100.0	47	29
137.0	45.0	24	46.0	113	44.0	ST	58	04	03	2241	151	376	2.49	100.0	17	11
137.0	50.0	24	38.0	114	00.0	ST	58	04	03	1916	135	418	3.10	100.0	7	139
137.0	55.0	24	28.0	114	18.6	ST	58	04	03	1556	138	426	3.09	100.0	14	128
137.0	60.0	24	19.5	114	37.5	ST	58	04	03	1341	136	443	3.26	100.0	7	296
137.0	70.0	23	59.5	115	17.5	ST	58	04	03	0811	133	405	3.03	100.0	10	32
137.0	80.0	23	39.5	115	55.0	ST	58	04	03	0136	127	437	3.44	100.0	17	8

TABLE 1. (cont.)

CalCOFI Cruise 5805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	52.0	37	53.0	123	01.0	ST	58	05	16	1253	60	266	2.26	100.0	12	9
60.0	55.0	37	46.5	123	15.0	ST	58	05	16	1432	103	357	2.89	100.0	11	52
60.0	60.0	37	36.5	123	35.0	ST	58	05	16	1646	141	432	3.26	100.0	156	40
60.0	70.0	37	17.5	124	16.0	ST	58	05	16	2101	129	503	2.56	100.0	27	21
60.0	80.0	36	57.5	124	55.8	ST	58	05	17	0121	132	494	2.67	100.0	9	9
60.0	90.0	36	38.5	125	37.0	ST	58	05	17	0626	134	461	2.90	100.0	16	5
63.0	52.0	37	20.0	122	39.4	ST	58	05	15	0345	72	223	3.23	100.0	13	14
63.0	55.0	37	12.5	122	50.0	ST	58	05	15	0125	130	484	2.69	100.0	57	47
63.0	60.0	37	01.0	123	10.5	ST	58	05	14	2256	139	467	2.99	50.0	21	26
63.0	70.0	36	40.0	123	55.0	ST	58	05	14	1646	142	450	3.15	100.0	18	9
63.0	80.0	36	19.5	124	38.5	ST	58	05	14	1046	134	503	2.65	100.0	1	5
63.0	90.0	36	06.5	125	12.8	ST	58	05	17	1041	139	468	2.97	100.0	7	3
67.0	50.0	36	47.5	122	04.0	ST	58	05	13	1400	142	471	3.02	100.0	8	26
67.0	55.0	36	35.5	122	26.5	ST	58	05	13	1635	151	438	3.46	100.0	13	69
67.0	60.0	36	23.2	122	48.5	ST	58	05	13	1856	143	463	3.10	100.0	16	60
67.0	70.0	36	04.0	123	30.0	ST	58	05	13	2331	133	484	2.75	100.0	35	284
67.0	80.0	35	43.0	124	14.8	ST	58	05	14	0500	139	460	3.01	100.0	1	11
67.0	90.0	35	34.0	124	50.0	ST	58	05	17	1511	136	517	2.63	100.0	2	13
70.0	52.0	36	09.0	121	50.0	ST	58	05	13	0901	133	520	2.57	100.0	60	34
70.0	55.0	36	00.0	122	00.0	ST	58	05	13	0701	139	465	2.98	100.0	24	198
70.0	60.0	35	50.5	122	21.8	ST	58	05	13	0341	151	289	3.44	100.0	49	133
70.0	70.0	35	31.0	123	05.0	ST	58	05	12	2311	155	419	3.71	100.0	27	22
70.0	80.0	35	12.5	123	47.0	ST	58	05	12	1800	142	507	2.79	100.0	1	36
70.0	90.0	34	53.2	124	27.5	ST	58	05	12	1341	134	516	2.60	100.0	9	97
73.0	51.0	35	36.0	121	20.0	ST	58	05	11	1331	131	495	2.64	100.0	17	37
73.0	55.0	35	27.5	121	37.5	ST	58	05	11	1546	140	446	3.15	100.0	29	72
73.0	60.0	35	17.2	121	58.5	ST	58	05	11	1816	137	467	2.94	100.0	18	56
73.0	70.0	34	56.5	122	40.0	ST	58	05	11	2301	140	461	3.04	100.0	68	107
73.0	80.0	34	35.0	123	24.5	ST	58	05	12	0326	140	485	2.88	100.0	9	11
73.0	90.0	34	13.8	124	09.5	ST	58	05	12	0801	139	497	2.79	100.0	4	2
77.0	50.0	35	04.8	120	52.0	ST	58	05	11	0516	130	437	2.98	100.0	29	43
77.0	55.0	34	53.8	121	11.0	ST	58	05	11	0230	126	465	2.70	100.0	110	87
77.0	60.0	34	43.0	122	33.0	ST	58	05	10	2345	125	511	2.45	100.0	179	82
77.0	70.0	34	23.2	122	15.8	ST	58	05	10	1836	141	464	3.05	100.0	34	36
77.0	80.0	34	04.5	122	56.0	ST	58	05	10	1351	132	496	2.66	100.0	6	11
77.0	90.0	33	44.5	123	38.5	ST	58	05	10	0911	138	485	2.85	100.0	31	59
80.0	51.0	34	26.4	120	31.5	ST	58	05	09	0400	49	185	2.63	100.0	88	11
80.0	55.0	34	19.2	120	48.5	ST	58	05	09	0700	138	450	3.07	100.0	25	224
80.0	60.0	34	09.8	121	09.5	ST	58	05	09	1036	115	540	2.14	100.0	57	125
80.0	70.0	33	48.2	121	50.2	ST	58	05	09	1651	140	455	3.07	100.0	6	20
80.0	80.0	33	28.0	122	35.6	ST	58	05	09	2130	135	490	2.75	100.0	39	2
80.0	90.0	33	09.5	123	19.5	ST	58	05	10	0400	143	473	3.02	100.0	14	13
82.0	47.0	34	15.0	119	58.0	ST	58	05	09	0041	131	463	2.84	100.0	210	182
83.0	40.0	34	13.9	119	21.4	ST	58	05	08	1630	10	88	1.19	100.0	198	229
83.0	43.0	34	07.8	119	34.0	ST	58	05	08	2146	99	608	1.63	100.0	520	281

TABLE 1. (cont.)

CalCOFI Cruise 5805

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	51.0	33 51.5	120 08.0	ST	58 05 08	1101	130	509	2.56	100.0	53	53
83.0	55.0	33 44.0	120 25.5	ST	58 05 08	0836	124	512	2.43	100.0	191	195
83.0	60.0	33 31.0	120 46.0	ST	58 05 08	0556	142	458	3.11	100.0	116	222
83.0	65.0	33 22.5	121 04.8	ST	58 05 08	0251	133	513	2.59	100.0	119	87
83.0	70.0	33 13.0	121 25.0	ST	58 05 08	0015	132	433	3.05	100.0	138	24
83.0	75.0	33 03.5	122 45.3	ST	58 05 07	2136	133	523	2.54	100.0	154	12
83.0	80.0	32 53.6	122 06.0	ST	58 05 07	1855	150	470	3.18	100.0	22	3
83.0	85.0	32 43.8	122 27.5	ST	58 05 07	1601	144	449	3.21	100.0	31	3
83.0	90.0	32 35.0	122 45.0	ST	58 05 07	1351	136	479	2.84	100.0	58	29
87.0	35.0	33 50.0	118 37.5	ST	58 05 06	0041	132	510	2.58	100.0	286	209
87.0	40.0	33 39.2	118 58.0	ST	58 05 06	0336	129	511	2.53	100.0	1743	175
87.0	45.0	33 30.0	119 19.0	ST	58 05 06	0630	137	479	2.87	100.0	106	185
87.0	50.0	33 20.0	119 40.0	ST	58 05 06	1018	60	225	2.66	100.0	104	575
87.0	55.0	33 10.0	120 00.5	ST	58 05 06	1241	137	471	2.91	100.0	230	978
87.0	60.0	33 00.0	120 21.5	ST	58 05 06	1610	145	417	3.46	100.0	60	256
87.0	65.0	32 50.0	120 40.0	ST	58 05 06	1845	138	533	2.58	100.0	76	14
87.0	70.0	32 39.0	121 02.0	ST	58 05 06	2136	119	514	2.31	100.0	95	4
87.0	75.0	32 29.0	121 22.0	ST	58 05 07	0002	137	479	2.87	100.0	34	1
87.0	80.0	32 18.5	121 42.5	ST	58 05 07	0231	135	485	2.79	100.0	206	3
87.0	85.0	32 10.0	122 00.8	ST	58 05 07	0511	135	486	2.78	100.0	54	111
87.0	90.0	32 00.0	122 20.0	ST	58 05 07	0746	136	469	2.90	100.0	101	105
90.0	28.0	33 28.5	117 47.0	PT	58 05 03	1956	142	494	2.88	100.0	173	69
90.0	30.0	33 24.5	117 55.0	PT	58 05 03	2156	144	544	2.64	100.0	201	190
90.0	37.0	33 11.0	118 23.0	PT	58 05 04	0156	147	473	3.10	100.0	411	297
90.0	45.0	32 55.0	118 56.0	PT	58 05 04	0756	139	436	3.19	100.0	35	441
90.0	50.0	32 45.0	119 16.5	PT	58 05 04	1100	128	466	2.74	100.0	137	60
90.0	55.0	32 35.0	119 37.0	PT	58 05 04	1446	141	392	3.61	50.0	21	57
90.0	60.0	32 23.0	120 00.5	PT	58 05 04	1801	132	449	3.06	100.0	101	37
90.0	65.0	32 15.0	120 17.0	PT	58 05 04	2101	136	446	3.06	100.0	161	15
90.0	70.0	32 04.0	120 38.5	PT	58 05 05	0026	126	475	2.66	100.0	458	6
90.0	75.0	31 52.5	120 58.5	PT	58 05 05	0346	142	414	3.44	100.0	110	58
90.0	80.0	31 42.0	121 19.0	PT	58 05 05	0711	140	458	3.06	100.0	30	51
90.0	85.0	31 32.0	121 39.0	PT	58 05 05	1031	146	452	3.22	100.0	70	145
90.0	90.0	31 22.0	121 58.0	PT	58 05 05	1331	115	502	2.30	100.0	48	325
93.0	27.0	32 56.0	117 19.0	PT	58 05 07	1131	122	508	2.41	100.0	16	18
93.0	30.0	32 50.0	117 31.5	PT	58 05 07	0946	136	479	2.83	100.0	40	7
93.0	35.0	32 40.0	117 52.0	PT	58 05 07	0626	136	459	2.96	100.0	104	40
93.0	40.0	32 30.0	118 12.5	PT	58 05 07	0406	139	443	3.15	100.0	91	3
93.0	45.0	32 20.0	118 33.0	PT	58 05 07	0051	122	488	2.50	100.0	480	11
93.0	50.0	32 10.0	118 53.0	PT	58 05 06	2136	127	485	2.62	100.0	253	18
93.0	55.0	32 00.0	119 15.0	PT	58 05 06	1826	129	478	2.71	100.0	244	22
93.0	60.0	31 50.0	119 34.0	PT	58 05 06	1511	139	495	2.81	100.0	12	5
93.0	65.0	31 41.0	119 52.0	PT	58 05 06	1156	128	474	2.71	100.0	60	21
93.0	70.0	31 30.0	120 15.0	PT	58 05 06	0856	135	466	2.90	100.0	58	19
93.0	75.0	31 18.5	120 38.0	PT	58 05 06	0521	149	413	3.61	100.0	70	73

TABLE 1. (cont.)

CalCOFI Cruise 5805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	80.0	31	10.5	120	55.0	PT	58	05	06	0136	134	466	2.89	100.0	64	281
93.0	85.0	31	01.0	121	15.0	PT	58	05	05	2156	142	462	3.07	100.0	107	183
93.0	90.0	30	50.0	121	35.0	PT	58	05	05	1831	144	432	3.33	100.0	33	177
97.0	30.0	32	15.5	117	08.5	PT	58	05	07	1918	57	218	2.63	100.0	114	341
97.0	32.0	32	11.5	117	16.5	PT	58	05	07	2041	135	471	2.86	100.0	332	58
97.0	35.0	32	05.0	117	28.5	PT	58	05	07	2256	136	462	2.94	100.0	175	3
97.0	40.0	31	55.0	117	50.0	PT	58	05	08	0211	129	473	2.73	100.0	513	6
97.0	45.0	31	45.5	118	10.0	PT	58	05	08	0501	133	473	2.81	100.0	78	12
97.0	50.0	31	35.0	118	30.0	PT	58	05	08	0816	135	456	2.96	100.0	19	2
97.0	55.0	31	25.0	118	50.0	PT	58	05	08	1111	138	454	3.05	100.0	109	30
97.0	60.0	31	16.0	119	10.0	PT	58	05	08	1416	127	474	2.69	100.0	138	39
97.0	65.0	31	05.5	119	31.0	PT	58	05	08	1713	142	440	3.22	100.0	34	55
97.0	70.0	30	55.5	119	50.5	PT	58	05	08	2011	136	438	3.11	100.0	65	59
97.0	75.0	30	45.0	120	11.0	PT	58	05	08	2316	136	441	3.08	100.0	63	107
97.0	80.0	30	35.0	120	31.0	PT	58	05	09	0216	116	515	2.25	100.0	116	420
97.0	85.0	30	25.0	120	51.0	PT	58	05	09	0521	138	467	2.95	100.0	19	115
97.0	90.0	30	11.0	121	12.0	PT	58	05	09	0906	138	510	2.71	100.0	21	97
100.0	29.0	31	42.0	116	43.0	PT	58	05	11	0341	138	436	3.17	100.0	217	25
100.0	30.0	31	41.0	116	46.5	PT	58	05	11	0211	121	476	2.53	100.0	457	39
100.0	35.0	31	31.0	117	06.5	PT	58	05	10	2321	131	499	2.63	100.0	488	6
100.0	40.0	31	21.0	117	27.0	PT	58	05	10	2006	133	503	2.64	100.0	66	3
100.0	45.0	31	11.0	117	46.0	PT	58	05	10	1721	139	455	3.06	100.0	25	8
100.0	50.0	31	02.0	118	08.0	PT	58	05	10	1441	139	479	2.91	100.0	6	74
100.0	55.0	30	53.0	118	28.0	PT	58	05	10	1141	112	560	1.99	100.0	11	55
100.0	60.0	30	45.0	118	49.0	PT	58	05	10	0836	137	482	2.84	100.0	65	45
100.0	65.0	30	33.0	119	09.0	PT	58	05	10	0601	135	447	2.86	100.0	34	103
100.0	70.0	30	23.0	119	29.0	PT	58	05	10	0256	140	455	3.07	100.0	36	58
100.0	75.0	30	12.0	119	48.0	PT	58	05	09	2241	128	492	2.61	100.0	62	69
100.0	80.0	30	02.0	120	07.0	PT	58	05	09	1941	140	495	2.82	100.0	52	42
100.0	85.0	29	51.0	120	27.0	PT	58	05	09	1701	142	469	3.02	100.0	5	51
100.0	90.0	29	41.0	120	46.0	PT	58	05	09	1406	133	505	2.63	100.0	15	42
103.0	30.0	31	05.0	116	25.0	PT	58	05	11	0918	72	262	2.73	100.0	78	70
103.0	35.0	30	56.0	116	43.0	PT	58	05	11	1156	134	467	2.88	100.0	16	12
103.0	40.0	30	45.0	117	05.0	PT	58	05	11	1516	147	411	3.58	100.0	68	13
103.0	45.0	30	30.0	117	18.0	PT	58	05	11	1816	136	441	3.08	100.0	11	13
103.0	50.0	30	21.0	117	42.0	PT	58	05	11	2126	136	473	2.86	100.0	90	21
103.0	55.0	30	14.0	118	04.0	PT	58	05	12	0041	119	481	2.48	100.0	393	43
103.0	60.0	30	05.0	118	23.0	PT	58	05	12	0406	133	490	2.71	100.0	92	81
103.0	65.0	29	55.0	118	43.0	PT	58	05	12	0711	138	457	3.01	100.0	31	9
103.0	70.0	29	47.5	119	04.0	PT	58	05	12	1011	135	482	2.79	100.0	17	101
103.0	75.0	29	37.0	119	24.0	PT	58	05	12	1321	127	493	2.59	100.0	25	411
103.0	80.0	29	26.0	119	43.0	PT	58	05	12	1631	141	460	3.07	100.0	25	138
103.0	85.0	29	15.0	120	04.0	PT	58	05	12	1921	143	440	3.25	100.0	44	186
103.0	90.0	29	10.0	120	19.5	PT	58	05	12	2156	138	480	2.88	100.0	314	464
107.0	35.0	30	22.0	116	20.0	PT	58	05	14	1711	132	426	3.09	100.0	34	16

TABLE 1. (cont.)

CalCOFI Cruise 5805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	40.0	30	12.5	116	45.0	PT	58	05	14	1411	112	460	2.45	100.0	83	11
107.0	45.0	30	05.5	117	03.5	PT	58	05	14	1126	134	416	3.22	100.0	28	18
107.0	50.0	29	53.5	117	23.0	PT	58	05	14	0736	142	395	3.59	100.0	47	22
107.0	55.0	29	42.5	117	43.0	PT	58	05	14	0416	140	418	3.34	100.0	181	79
107.0	60.0	29	32.0	118	01.0	PT	58	05	14	0036	145	433	3.34	100.0	375	89
107.0	65.0	29	20.5	118	20.0	PT	58	05	13	1926	153	474	3.23	100.0	166	29
107.0	70.0	29	12.0	118	40.0	PT	58	05	13	1616	148	487	3.03	100.0	85	78
107.0	75.0	29	06.0	119	01.0	PT	58	05	13	1311	122	537	2.27	100.0	76	408
107.0	80.0	28	56.5	119	22.0	PT	58	05	13	0826	144	527	2.73	100.0	46	116
107.0	85.0	28	46.0	119	42.5	PT	58	05	13	0516	143	488	2.92	100.0	49	280
107.0	90.0	28	38.0	119	58.0	PT	58	05	13	0201	137	538	2.54	100.0	140	337
110.0	33.0	29	50.5	115	52.2	BD	58	05	21	1503	74	179	4.11	100.0	17	115
110.0	35.0	29	46.5	116	00.0	BD	58	05	21	1336	142	334	4.25	100.0	10	18
110.0	40.0	29	38.8	116	23.2	BD	58	05	21	0931	143	474	3.02	100.0	8	6
110.0	45.0	29	26.2	116	39.5	BD	58	05	21	0721	137	449	3.05	100.0	22	7
110.0	50.0	29	16.5	116	59.0	BD	58	05	21	0446	142	390	3.63	100.0	20	19
110.0	55.0	29	06.2	117	18.2	BD	58	05	21	0151	142	380	3.74	100.0	65	46
110.0	60.0	28	56.5	117	39.0	BD	58	05	20	2306	134	441	3.03	100.0	59	21
110.0	65.0	28	46.5	117	58.0	BD	58	05	20	1946	140	427	3.27	100.0	85	91
110.0	70.0	28	36.5	118	18.0	BD	58	05	20	1646	138	468	2.96	100.0	31	250
110.0	75.0	28	27.6	118	38.8	BD	58	05	20	1346	138	421	3.28	100.0	8	413
110.0	80.0	28	20.8	118	57.2	BD	58	05	20	1116	141	413	3.42	100.0	38	403
110.0	85.0	28	06.2	119	16.5	BD	58	05	20	0816	140	359	3.91	100.0	10	150
110.0	90.0	27	56.5	119	36.0	BD	58	05	20	0510	142	404	3.51	100.0	19	342
113.0	30.0	29	22.5	115	17.5	BD	58	05	18	1129	49	151	3.25	100.0	1	1
113.0	35.0	29	12.0	115	39.0	BD	58	05	18	1431	139	335	4.16	100.0	9	35
113.0	40.0	29	01.0	115	57.2	BD	58	05	18	1806	138	440	3.13	100.0	4	2
113.0	45.0	28	52.0	116	18.0	BD	58	05	18	2111	142	443	3.20	100.0	109	8
113.0	50.0	28	41.0	116	39.5	BD	58	05	19	0026	145	401	3.62	100.0	160	718
113.0	55.0	28	30.0	117	02.0	BD	58	05	19	0426	139	392	3.55	100.0	127	632
113.0	60.0	28	19.0	117	22.0	BD	58	05	19	0711	140	396	3.54	100.0	30	271
113.0	65.0	28	13.7	117	35.5	BD	58	05	19	0911	142	410	3.45	100.0	20	487
113.0	70.0	28	02.0	117	55.5	BD	58	05	19	1141	138	419	3.30	100.0	11	239
113.0	75.0	27	52.0	118	14.8	BD	58	05	19	1431	144	403	3.57	100.0	14	596
113.0	80.0	27	43.5	118	35.0	BD	58	05	19	1716	135	450	3.00	100.0	8	163
113.0	85.0	27	32.0	118	53.2	BD	58	05	19	2021	140	408	3.42	100.0	40	158
113.0	90.0	27	22.0	119	12.2	BD	58	05	19	2326	139	457	3.04	100.0	25	1060
117.0	26.0	28	56.0	114	41.0	BD	58	05	18	0543	67	214	3.14	100.0	8	2
117.0	30.0	28	48.0	114	56.5	BD	58	05	18	0317	99	180	5.52	100.0	47	74
117.0	35.0	28	38.0	115	16.0	BD	58	05	18	0006	139	224	6.21	100.0	89	29
117.0	40.0	28	28.0	115	35.5	BD	58	05	17	1811	140	318	4.39	100.0	10	12
117.0	45.0	28	18.0	115	55.2	BD	58	05	17	1356	148	331	4.47	100.0	3	1
117.0	50.0	28	07.5	116	16.0	BD	58	05	17	1006	141	352	3.99	100.0	18	64
117.0	55.0	27	57.7	116	34.5	BD	58	05	17	0656	138	337	4.08	100.0	9	16
117.0	60.0	27	55.7	116	48.0	BD	58	05	17	0416	141	303	4.67	100.0	78	139

TABLE 1. (cont.)

CalCOFI Cruise 5805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	65.0	27	43.0	117	09.8	BD	58	05	17	0106	145	261	5.57	25.0	63	711
117.0	70.0	27	31.0	117	31.7	BD	58	05	16	2136	141	297	4.75	100.0	67	147
117.0	75.0	27	19.0	112	51.7	BD	58	05	16	1831	156	332	4.70	100.0	13	137
117.0	80.0	27	07.8	118	11.5	BD	58	05	16	1516	148	326	4.54	100.0	33	62
117.0	85.0	26	58.0	118	30.5	BD	58	05	16	1201	139	383	3.64	100.0	19	793
117.0	90.0	26	47.7	118	50.0	BD	58	05	16	0856	140	371	3.76	100.0	12	316
118.0	39.0	28	18.5	115	24.0	BD	58	05	17	2026	124	325	3.80	100.0	79	33
119.0	33.0	28	19.0	114	53.0	BD	58	05	14	1627	102	222	4.60	100.0	9	121
120.0	25.0	28	23.0	114	14.5	BD	58	05	14	1059	47	174	2.69	100.0	1	41
120.0	30.0	28	13.0	114	34.0	BD	58	05	14	1344	90	197	4.57	100.0	7	82
120.0	35.0	28	03.0	114	54.0	BD	58	05	14	1913	70	137	5.09	100.0	13	33
120.0	40.0	27	56.5	115	14.0	BD	58	05	14	2128	25	85	2.91	100.0	4	25
120.0	45.0	27	43.0	115	33.0	BD	58	05	15	0006	148	308	4.82	100.0	21	230
120.0	50.0	27	33.0	115	52.5	BD	58	05	15	0311	138	375	3.67	100.0	44	583
120.0	55.0	27	23.0	116	12.0	BD	58	05	15	0641	140	322	4.33	100.0	10	1417
120.0	60.0	27	13.0	116	31.5	BD	58	05	15	0921	135	364	3.71	100.0	39	86
120.0	65.0	27	02.5	116	51.0	BD	58	05	15	1216	141	371	3.79	100.0	29	58
120.0	70.0	26	52.2	117	10.0	BD	58	05	15	1501	139	396	3.51	100.0	50	306
120.0	75.0	26	42.5	117	30.0	BD	58	05	15	1756	139	391	3.55	100.0	16	2024
120.0	80.0	26	32.5	117	48.5	BD	58	05	15	2036	141	354	3.98	100.0	52	367
120.0	85.0	26	22.5	118	08.8	BD	58	05	16	0001	146	327	4.45	100.0	33	131
120.0	90.0	26	13.0	118	27.5	BD	58	05	16	0256	141	347	4.13	100.0	94	113
123.0	37.0	27	24.0	114	39.7	BD	58	05	13	2208	56	212	2.63	100.0	35	71
123.0	42.0	27	15.5	115	00.2	BD	58	05	13	1436	145	444	3.26	100.0	15	301
123.0	50.0	26	58.0	115	30.5	BD	58	05	13	1006	140	421	3.32	100.0	9	87
123.0	55.0	26	46.7	115	51.8	BD	58	05	13	0606	139	403	3.45	100.0	19	156
123.0	60.0	26	37.8	116	09.8	BD	58	05	13	0306	141	388	3.64	100.0	67	478
127.0	34.0	26	55.3	114	06.0	BD	58	05	12	0543	63	244	2.58	100.0	5	49
127.0	40.0	26	43.5	114	29.5	BD	58	05	12	0856	152	350	4.35	100.0	7	778
127.0	45.0	26	33.5	114	48.7	BD	58	05	12	1151	143	265	3.83	100.0	12	123
127.0	50.0	26	23.5	115	08.0	BD	58	05	12	1506	140	388	3.62	100.0	31	212
127.0	55.0	26	13.5	115	27.2	BD	58	05	12	1806	143	348	4.11	100.0	15	1138
127.0	60.0	26	03.5	115	46.5	BD	58	05	12	2106	142	349	4.07	100.0	11	732
130.0	30.0	26	29.0	113	29.0	BD	58	05	12	0013	71	184	3.88	100.0	29	433
130.0	35.0	26	19.0	113	48.5	BD	58	05	11	2126	142	370	3.83	100.0	66	230
130.0	40.0	26	10.6	114	06.7	BD	58	05	11	1816	140	318	4.40	100.0	10	454
130.0	45.0	25	59.0	114	25.5	BD	58	05	11	1516	143	343	4.17	100.0	10	2098
130.0	50.0	25	49.0	114	46.0	BD	58	05	11	1211	143	343	4.18	100.0	80	418
130.0	55.0	25	38.4	115	04.2	BD	58	05	11	0901	142	350	4.05	100.0	2	998
130.0	60.0	25	30.4	115	28.5	BD	58	05	11	0551	141	382	3.64	100.0	21	1724
133.0	25.0	26	04.5	112	48.0	BD	58	05	10	0248	69	262	2.64	100.0	9	6
133.0	30.0	25	54.5	113	07.5	BD	58	05	10	0546	139	492	2.83	100.0	7	28
133.0	35.0	25	44.5	113	26.5	BD	58	05	10	1201	145	427	3.41	100.0	24	3944
133.0	40.0	25	32.8	113	43.4	BD	58	05	10	1506	139	437	3.18	100.0	29	2326
133.0	45.0	25	21.8	113	59.8	BD	58	05	10	1806	139	441	3.16	100.0	0	121

TABLE 1. (cont.)

CalCOFI Cruise 5805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	50.0	25	14.5	114	24.0	BD	58	05	10	2201	144	386	3.74	100.0	42	139
137.0	23.0	25	34.2	112	18.7	BD	58	05	09	2058	71	256	2.77	100.0	10	3
137.0	30.0	25	20.0	112	45.5	BD	58	05	09	1701	141	465	3.03	100.0	1	14
137.0	35.0	25	10.0	113	04.5	BD	58	05	09	1156	141	482	2.93	100.0	46	63
137.0	40.0	25	00.0	113	23.5	BD	58	05	09	0726	138	506	2.73	100.0	17	558
137.0	45.0	24	50.0	113	42.5	BD	58	05	09	0356	149	455	3.27	100.0	37	767
137.0	50.0	24	40.0	114	01.5	BD	58	05	09	0050	142	473	3.01	100.0	26	838

TABLE 1. (cont.)

CalCOFI Cruise 5806

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
50.0	47.0	39 46.0	123 54.0	BD	58 06 14	1732	98	339	2.89	100.0	7	131
50.0	50.0	39 40.0	124 07.8	BD	58 06 14	1921	144	434	3.32	100.0	24	220
50.0	55.0	39 30.0	124 30.0	BD	58 06 14	2346	138	484	2.86	100.0	9	14
50.0	60.0	39 20.0	124 52.0	BD	58 06 15	0311	124	525	2.36	100.0	17	353
53.0	52.0	39 02.0	123 51.2	BD	58 06 14	1027	89	290	3.07	100.0	22	874
53.0	55.0	38 56.0	124 04.5	BD	58 06 14	0811	140	428	3.27	50.0	1	326
53.0	60.0	38 46.0	124 26.3	BD	58 06 14	0401	136	496	2.74	100.0	5	120
57.0	51.0	38 30.0	123 22.0	BD	58 06 13	1439	100	340	2.95	100.0	0	21
57.0	55.0	38 22.0	123 39.5	BD	58 06 13	1716	144	468	3.09	100.0	4	63
57.0	60.0	38 11.8	124 01.8	BD	58 06 13	2015	152	472	3.21	100.0	6	56
60.0	52.0	37 53.5	123 01.9	BD	58 06 11	2113	70	265	2.65	100.0	0	27
60.0	55.0	37 47.5	123 15.0	BD	58 06 11	1832	94	334	2.81	100.0	9	182
60.0	60.0	37 37.0	123 37.0	BD	58 06 11	1501	139	479	2.91	50.0	7	158
60.0	70.0	37 20.2	124 21.0	BD	58 06 11	0831	141	460	3.06	100.0	25	319
60.0	80.0	36 59.0	125 05.9	BD	58 06 11	0216	137	475	2.89	100.0	2	37
60.0	90.0	36 37.0	125 47.0	BD	58 06 10	1851	145	467	3.11	100.0	6	52
63.0	52.0	37 19.0	122 36.2	BD	58 06 09	1303	79	267	2.95	100.0	2	20
63.0	60.0	37 02.5	123 10.7	BD	58 06 09	1806	136	472	2.89	100.0	66	283
63.0	70.0	36 42.8	123 55.0	BD	58 06 09	2326	139	487	2.86	100.0	4	38
63.0	80.0	36 23.0	124 37.6	BD	58 06 10	0556	139	459	3.04	100.0	3	20
63.0	90.0	36 01.0	125 23.0	BD	58 06 10	1201	143	478	3.00	100.0	1	96
67.0	50.0	36 49.0	122 04.6	BD	58 06 09	0722	101	332	3.03	100.0	21	153
67.0	55.0	36 39.0	122 26.0	BD	58 06 09	0436	145	471	3.07	50.0	17	247
67.0	60.0	36 26.4	122 52.3	BD	58 06 09	0051	142	481	2.96	100.0	162	79
67.0	70.0	36 08.0	123 30.0	BD	58 06 08	1946	143	489	2.92	50.0	1	6
67.0	80.0	35 48.2	124 12.1	BD	58 06 08	1426	142	467	3.04	100.0	4	5
67.0	90.0	35 28.0	124 55.0	BD	58 06 08	0931	142	480	2.97	100.0	3	59
70.0	52.0	36 08.5	121 49.8	BD	58 06 07	0446	138	459	3.01	50.0	15	6
70.0	55.0	36 03.0	122 02.0	BD	58 06 07	0636	133	427	3.12	100.0	112	881
70.0	60.0	35 53.0	122 23.0	BD	58 06 07	1026	139	486	2.87	50.0	4	61
70.0	70.0	35 33.0	123 06.0	BD	58 06 07	1526	141	456	3.08	50.0	4	17
70.0	80.0	35 13.0	123 48.0	BD	58 06 07	2031	141	416	3.40	100.0	1	12
70.0	90.0	34 53.0	124 30.0	BD	58 06 08	0206	140	488	2.87	100.0	2	30
73.0	51.0	35 35.5	121 20.0	BD	58 06 06	2336	140	477	2.93	50.0	7	3
73.0	55.0	35 27.5	121 37.5	BD	58 06 06	2056	135	476	2.84	100.0	28	282
73.0	60.0	35 18.0	121 58.4	BD	58 06 06	1736	136	473	2.88	100.0	30	77
73.0	70.0	34 58.2	122 34.8	BD	58 06 06	1221	136	473	2.88	100.0	3	73
73.0	80.0	34 38.2	123 21.7	BD	58 06 06	0741	140	478	2.93	100.0	23	93
73.0	90.0	34 18.9	124 03.0	BD	58 06 06	0136	142	447	3.17	100.0	20	165
77.0	50.0	35 04.4	120 52.0	BD	58 06 04	2042	115	439	2.63	100.0	16	49
77.0	55.0	34 54.5	121 13.0	BD	58 06 04	2351	137	510	2.69	100.0	54	27
77.0	60.0	34 44.0	121 34.0	BD	58 06 05	0306	139	470	2.96	100.0	28	189
77.0	70.0	34 24.2	122 16.0	BD	58 06 05	0846	141	482	2.92	100.0	27	31
77.0	80.0	34 04.2	122 57.0	BD	58 06 05	1356	143	475	3.01	100.0	14	50
77.0	90.0	33 45.5	123 38.2	BD	58 06 05	1941	142	468	3.04	100.0	4	179

TABLE 1. (cont.)

CalCOFI Cruise 5806

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.0	120	31.5	OR	58	06	04	1558	78	284	2.76	100.0	14	11
80.0	55.0	34	17.5	120	47.5	OR	58	06	04	1926	141	490	2.87	100.0	25	2
80.0	60.0	34	08.0	121	08.0	OR	58	06	04	2356	142	499	2.85	100.0	4	4
80.0	70.0	33	44.5	121	51.5	OR	58	06	05	0616	140	478	2.93	50.0	1	29
80.0	80.0	33	29.0	122	26.0	OR	58	06	05	1236	141	516	2.74	100.0	40	103
80.0	90.0	33	10.0	123	16.0	OR	58	06	05	1916	141	475	2.97	100.0	6	42
82.0	47.0	34	16.0	119	57.0	OR	58	06	07	0516	142	441	3.23	100.0	14	16
83.0	40.0	34	14.0	119	21.5	OR	58	06	07	0955	14	74	1.83	100.0	9	238
83.0	43.0	34	08.0	119	34.0	OR	58	06	07	0811	139	441	3.16	100.0	11	52
83.0	51.0	33	52.0	120	06.0	OR	58	06	07	0057	100	335	2.98	100.0	38	50
83.0	55.0	33	44.0	120	24.0	OR	58	06	06	2216	140	474	2.95	100.0	30	178
83.0	60.0	33	33.5	120	45.0	OR	58	06	06	1916	136	477	2.85	100.0	49	566
83.0	65.0	33	24.0	121	05.0	OR	58	06	06	1611	139	479	2.90	100.0	19	10
83.0	70.0	33	16.0	121	28.0	OR	58	06	06	1316	140	481	2.91	100.0	0	17
83.0	75.0	33	07.5	121	44.0	OR	58	06	06	1056	139	458	3.03	100.0	7	95
83.0	80.0	32	56.0	122	08.0	OR	58	06	06	0706	141	450	3.13	100.0	13	65
83.0	85.0	32	45.0	122	28.0	OR	58	06	06	0406	141	479	2.94	100.0	84	119
83.0	90.0	32	34.5	122	48.0	OR	58	06	06	0056	141	474	2.97	100.0	31	109
87.0	35.0	33	50.0	118	37.5	OR	58	06	08	1616	144	505	2.84	100.0	46	90
87.0	40.0	33	40.0	118	58.5	OR	58	06	08	1926	141	434	3.24	100.0	189	90
87.0	45.0	33	29.5	119	18.0	OR	58	06	08	2356	143	462	3.09	100.0	96	12
87.0	50.0	33	20.0	119	39.0	OR	58	06	09	0418	71	288	2.46	100.0	34	340
87.0	55.0	33	10.0	120	01.0	OR	58	06	09	0826	138	469	2.93	100.0	9	69
87.0	60.0	33	00.0	120	21.0	OR	58	06	09	1246	142	460	3.08	100.0	7	46
87.0	65.0	32	47.0	120	44.0	OR	58	06	09	1806	141	458	3.07	100.0	12	148
87.0	70.0	32	36.0	121	02.0	OR	58	06	09	2026	140	458	3.06	100.0	45	190
87.0	75.0	32	24.0	121	27.0	OR	58	06	10	0036	137	506	2.70	100.0	40	105
87.0	80.0	32	14.0	121	48.0	OR	58	06	10	0411	138	418	3.31	100.0	121	330
87.0	85.0	32	06.5	122	02.5	OR	58	06	10	0701	141	442	3.19	100.0	59	189
87.0	90.0	31	58.0	122	19.0	OR	58	06	10	1021	141	439	3.22	100.0	49	135
90.0	28.0	33	28.5	117	46.5	OR	58	06	12	0806	141	462	3.05	100.0	47	114
90.0	30.0	33	25.0	117	55.0	OR	58	06	12	0651	141	448	3.16	100.0	68	48
90.0	37.0	33	11.0	118	24.0	OR	58	06	12	0241	141	443	3.19	100.0	128	28
90.0	45.0	32	50.0	119	01.0	OR	58	06	11	2106	141	458	3.07	100.0	112	183
90.0	50.0	32	42.0	119	13.0	OR	58	06	11	1716	141	458	3.08	100.0	60	215
90.0	55.0	32	32.5	119	34.5	OR	58	06	11	1436	142	467	3.05	100.0	3	80
90.0	60.0	32	24.0	119	54.0	OR	58	06	11	1136	140	459	3.04	100.0	6	4
90.0	65.0	32	15.0	120	18.0	OR	58	06	11	0826	142	472	3.02	100.0	13	12
90.0	70.0	32	01.5	120	45.0	OR	58	06	11	0406	141	455	3.10	100.0	30	99
90.0	75.0	31	53.0	121	02.0	OR	58	06	11	0056	134	490	2.74	100.0	50	21
90.0	80.0	31	45.0	121	19.0	OR	58	06	10	2126	146	452	3.23	100.0	84	546
90.0	85.0	31	37.0	121	35.0	OR	58	06	10	1906	142	452	3.15	100.0	53	190
90.0	90.0	31	27.0	121	55.0	OR	58	06	10	1556	140	465	3.01	100.0	80	78
93.0	27.0	32	56.0	117	19.0	OR	58	06	19	2007	141	309	2.74	100.0	33	25
93.0	30.0	32	50.0	117	31.5	OR	58	06	19	2216	142	462	3.07	100.0	113	85

TABLE 1. (cont.)

CalCOFI Cruise 5806

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	35.0	32	40.0	117	52.0	OR	58	06	20	0106	146	377	3.86	100.0	106	7
93.0	40.0	32	32.0	118	16.5	OR	58	06	20	0426	143	424	3.37	100.0	109	14
93.0	45.0	32	22.0	118	36.5	OR	58	06	20	0706	144	427	3.37	100.0	59	1081
93.0	50.0	32	15.0	118	54.0	OR	58	06	20	1006	141	464	3.03	100.0	203	120
93.0	55.0	32	00.0	119	13.5	OR	58	06	20	1331	141	469	3.01	100.0	705	32
93.0	60.0	31	50.0	119	34.0	OR	58	06	20	1636	141	437	3.23	100.0	116	56
93.0	65.0	31	42.5	119	57.5	OR	58	06	20	1936	144	434	3.31	100.0	13	10
93.0	70.0	31	32.0	120	16.0	OR	58	06	20	2206	143	445	3.21	100.0	11	7
93.0	75.0	31	21.0	120	35.0	OR	58	06	21	0056	142	458	3.11	100.0	61	137
93.0	80.0	31	10.0	120	55.0	OR	58	06	21	0341	142	426	3.34	100.0	40	171
93.0	85.0	31	01.0	121	15.0	OR	58	06	21	0631	142	457	3.10	100.0	29	275
93.0	90.0	30	49.0	121	33.5	OR	58	06	21	0911	141	459	3.08	100.0	40	180
97.0	30.0	32	15.5	117	09.5	OR	58	06	23	0159	44	201	2.19	100.0	23	265
97.0	35.0	32	05.0	117	28.0	OR	58	06	22	2316	139	449	3.10	100.0	75	58
97.0	40.0	31	54.0	117	47.0	OR	58	06	22	2011	142	464	3.06	100.0	27	8
97.0	45.0	31	41.0	118	06.5	OR	58	06	22	1656	141	474	2.97	100.0	4	11
97.0	50.0	31	33.0	118	28.5	OR	58	06	22	1356	141	484	2.92	100.0	15	5
97.0	55.0	31	24.5	118	48.0	OR	58	06	22	1116	142	468	3.04	100.0	3	2
97.0	60.0	31	14.0	119	10.0	OR	58	06	22	0816	141	465	3.03	100.0	10	29
97.0	65.0	31	06.0	119	31.0	OR	58	06	22	0456	140	462	3.03	100.0	19	255
97.0	70.0	30	55.5	119	50.5	OR	58	06	22	0151	141	477	2.95	100.0	170	242
97.0	75.0	30	45.0	120	11.0	OR	58	06	21	2246	142	481	2.95	100.0	32	156
97.0	80.0	30	35.0	120	31.0	OR	58	06	21	1936	142	472	3.01	100.0	17	142
97.0	85.0	30	25.0	120	50.5	OR	58	06	21	1626	142	472	3.02	100.0	26	380
97.0	90.0	30	16.0	121	10.0	OR	58	06	21	0136	138	466	2.96	100.0	13	612
100.0	29.0	31	41.0	116	45.5	OR	58	06	23	0746	139	472	2.96	100.0	4	14
100.0	33.0	31	34.0	117	00.0	OR	58	06	23	1006	143	448	3.18	100.0	15	11
100.0	40.0	31	21.0	117	27.0	OR	58	06	23	1411	139	483	2.88	100.0	16	9
100.0	45.0	31	11.0	117	47.0	OR	58	06	23	1726	142	489	2.90	100.0	41	51
100.0	50.0	31	01.0	118	07.0	OR	58	06	23	2036	141	468	3.01	100.0	26	46
100.0	55.0	30	51.0	118	26.0	OR	58	06	23	1156	142	457	3.10	100.0	71	86
100.0	60.0	30	42.0	118	45.0	OR	58	06	24	0316	141	470	3.01	100.0	36	104
100.0	65.0	30	33.0	119	03.0	OR	58	06	24	0626	142	464	3.05	100.0	84	183
100.0	70.0	30	21.0	119	27.5	OR	58	06	24	1106	142	431	3.31	100.0	20	136
100.0	75.0	30	11.5	119	45.0	OR	58	06	24	1406	144	450	3.19	100.0	9	253
100.0	80.0	30	01.0	120	07.0	OR	58	06	24	1736	140	468	2.99	100.0	99	293
100.0	85.0	29	53.0	120	25.5	OR	58	06	24	2006	140	479	2.93	100.0	60	74
100.0	90.0	29	47.0	120	40.0	OR	58	06	24	2256	142	478	2.98	100.0	58	346
103.0	30.0	31	05.5	116	25.0	OR	58	06	16	1038	138	235	2.65	100.0	10	40
103.0	35.0	30	55.0	116	45.0	OR	58	06	16	1346	139	445	3.12	100.0	37	14
103.0	40.0	30	45.5	117	03.5	OR	58	06	16	1646	140	463	3.03	100.0	18	7
103.0	45.0	30	34.0	117	25.0	OR	58	06	16	1957	141	452	3.11	100.0	37	53
103.0	50.0	30	22.5	117	46.5	OR	58	06	16	2301	140	484	2.89	100.0	175	45
103.0	55.0	30	11.0	118	07.5	OR	58	06	17	0206	138	488	2.82	100.0	164	33
103.0	60.0	29	59.0	118	28.5	OR	58	06	17	0446	141	489	2.89	100.0	105	53

TABLE 1. (cont.)

CalCOFI Cruise 5806

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	32.0	30	26.6	116	10.9	OR	58	06	16	0506	142	449	3.15	100.0	8	8
107.0	35.0	30	20.5	116	23.3	OR	58	06	16	0256	141	452	3.12	100.0	35	10
107.0	40.0	30	10.7	116	43.5	OR	58	06	15	2351	141	493	2.85	100.0	26	1
107.0	45.0	30	00.9	117	04.1	OR	58	06	15	2046	144	467	3.09	100.0	16	1
107.0	50.0	29	40.0	117	23.8	OR	58	06	15	1736	143	445	3.21	100.0	16	6
107.0	55.0	29	42.8	117	42.9	OR	58	06	15	1436	141	465	3.03	100.0	3	4
107.0	60.0	29	34.0	118	04.0	OR	58	06	15	1136	141	455	3.10	100.0	3	8
110.0	33.0	29	50.5	115	50.2	OR	58	06	14	1151	137	447	3.05	100.0	5	4
110.0	35.0	29	46.5	116	01.0	OR	58	06	14	1316	143	448	3.19	100.0	4	2
110.0	40.0	29	36.6	116	20.8	OR	58	06	14	1636	144	452	3.18	100.0	6	3
110.0	45.0	29	26.0	116	41.1	OR	58	06	14	1936	144	442	3.25	100.0	6	4
110.0	50.0	29	15.0	117	03.5	OR	58	06	14	2241	145	448	3.24	100.0	11	6
110.0	55.0	29	04.8	117	27.1	OR	58	06	15	0156	144	459	3.14	100.0	3	658
110.0	60.0	28	54.2	117	49.5	OR	58	06	15	0501	143	457	3.12	100.0	4	125
110.0	70.0	28	35.2	118	15.0	ST	58	06	21	2041	152	474	3.20	100.0	4	1483
110.0	75.0	28	25.5	118	35.0	ST	58	06	21	1748	139	520	2.67	100.0	0	615
110.0	80.0	28	16.0	118	57.0	ST	58	06	21	1459	134	577	2.32	100.0	10	670
113.0	30.0	29	23.0	115	17.5	ST	58	06	23	0045	48	262	1.83	50.0	2	2
113.0	35.0	29	12.0	115	43.5	ST	58	06	22	2056	114	507	2.24	100.0	25	6
113.0	40.0	29	02.2	116	03.0	ST	58	06	22	1804	142	524	2.71	100.0	5	7
113.0	45.0	28	54.0	116	22.2	ST	58	06	22	1511	129	601	2.14	100.0	6	12
113.0	50.0	28	51.0	116	36.5	ST	58	06	22	1246	131	625	2.09	100.0	2	20
113.0	55.0	28	39.0	116	55.0	ST	58	06	22	0956	146	538	2.71	100.0	2	247
113.0	60.0	28	26.2	117	15.5	ST	58	06	22	0702	134	531	2.52	100.0	153	601
113.0	65.0	28	14.0	117	35.0	ST	58	06	22	0411	134	531	2.52	100.0	19	389
113.0	70.0	28	02.0	117	55.5	ST	58	06	22	0116	142	536	2.66	100.0	22	761
117.0	26.0	28	58.0	114	41.0	ST	58	06	19	1832	63	278	2.28	100.0	13	110
117.0	30.0	28	46.0	114	55.5	ST	58	06	19	2029	110	346	3.16	100.0	27	179
117.0	35.0	28	38.0	115	16.0	ST	58	06	19	2316	150	449	3.33	100.0	7	8
117.0	40.0	28	28.0	115	35.5	ST	58	06	20	0142	129	560	2.30	100.0	14	59
117.0	45.0	28	18.0	115	55.2	ST	58	06	20	1516	102	559	1.83	100.0	3	16
117.0	50.0	28	06.5	116	15.2	ST	58	06	20	1806	141	529	2.66	100.0	7	47
117.0	55.0	27	56.0	116	35.4	ST	58	06	20	2036	147	483	3.04	100.0	12	268
117.0	60.0	27	45.5	116	55.0	ST	58	06	20	2336	148	496	2.99	100.0	26	1405
117.0	65.0	27	35.0	117	15.0	ST	58	06	21	0211	132	577	2.29	100.0	57	219
117.0	70.0	27	24.5	117	35.5	ST	58	06	21	0441	135	549	2.46	100.0	89	1555
118.0	39.0	28	18.5	115	24.0	ST	58	06	20	0342	136	528	2.57	100.0	11	21
119.0	33.0	28	19.0	114	53.8	ST	58	06	19	0827	100	320	3.14	100.0	10	132
120.0	25.0	28	23.0	114	14.5	ST	58	06	19	1310	41	273	1.49	100.0	13	296
120.0	30.0	28	13.0	114	34.0	ST	58	06	19	1043	80	319	2.52	100.0	3	88
120.0	35.0	28	04.0	114	52.2	ST	58	06	19	0520	68	204	3.36	100.0	3	81
120.0	40.0	27	56.5	115	14.0	ST	58	06	19	0305	30	158	1.93	100.0	56	32
120.0	45.0	27	47.0	115	32.8	ST	58	06	19	0036	133	573	2.33	100.0	27	191
120.0	50.0	27	37.0	115	53.0	ST	58	06	18	2131	147	489	3.01	100.0	6	237
120.0	55.0	27	27.8	116	13.0	ST	58	06	18	1746	135	541	2.50	100.0	19	85

TABLE 1. (cont.)

CalCOFI Cruise 5806

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	60.0	27	17.8	116	31.5	ST	58	06	18	1451	135	572	2.36	100.0	11	524
120.0	65.0	27	07.5	116	50.0	ST	58	06	18	1216	133	572	2.32	100.0	34	440
120.0	70.0	26	56.0	117	11.2	ST	58	06	18	0916	146	484	3.03	100.0	37	162
120.0	75.0	26	46.0	117	30.0	ST	58	06	18	0636	131	539	2.42	100.0	83	1109
120.0	80.0	26	35.0	117	48.5	ST	58	06	18	0336	135	567	2.39	100.0	113	61
120.0	85.0	26	24.0	118	07.0	ST	58	06	18	0026	127	542	2.34	100.0	68	47
120.0	90.0	26	12.8	118	26.5	ST	58	06	17	2115	149	491	3.03	100.0	27	226
123.0	37.0	27	24.0	114	39.7	ST	58	06	16	2126	134	214	2.50	100.0	95	102
123.0	42.0	27	12.5	115	00.8	ST	58	06	16	2344	136	442	3.07	100.0	6	196
123.0	50.0	26	55.0	115	32.5	ST	58	06	17	0348	136	523	2.61	100.0	4	124
123.0	55.0	26	44.0	115	52.9	ST	58	06	17	0616	131	470	2.80	100.0	34	307
123.0	60.0	26	33.5	116	14.0	ST	58	06	17	0846	145	423	3.44	100.0	61	803
127.0	34.0	26	54.0	114	06.0	ST	58	06	16	1553	68	151	4.54	100.0	3	154
127.0	40.0	26	38.3	114	31.3	ST	58	06	16	1232	133	495	2.68	100.0	3	198
127.0	50.0	26	17.5	115	10.0	ST	58	06	16	0656	129	427	3.02	100.0	76	1021
130.0	30.0	26	29.0	113	29.0	ST	58	06	15	1358	125	275	2.27	100.0	28	262
130.0	35.0	26	18.0	113	48.5	ST	58	06	15	1716	132	453	2.92	100.0	1	17
130.0	40.0	26	07.0	114	07.2	ST	58	06	15	1951	141	378	3.73	100.0	2	106
130.0	45.0	25	56.2	114	26.8	ST	58	06	15	2302	144	417	3.45	100.0	16	243
130.0	50.0	25	43.5	114	46.8	ST	58	06	16	0146	124	559	2.21	100.0	21	24
133.0	25.0	26	03.0	112	47.7	ST	58	06	08	1048	76	244	3.12	100.0	1	8
133.0	30.0	25	51.5	113	06.5	ST	58	06	08	0821	148	485	3.05	100.0	7	18
133.0	35.0	25	39.5	113	29.0	ST	58	06	08	0511	142	504	2.82	100.0	6	56
133.0	40.0	25	30.0	113	47.4	ST	58	06	08	0226	142	502	2.83	100.0	8	159
133.0	45.0	25	20.5	114	05.5	ST	58	06	08	2356	139	518	2.68	100.0	11	129
133.0	50.0	25	11.0	114	23.5	ST	58	06	07	2111	143	518	2.76	100.0	62	88
137.0	23.0	25	32.0	112	18.2	ST	58	06	07	0013	44	227	1.94	100.0	115	252
137.0	30.0	25	19.0	112	43.8	ST	58	06	07	0331	146	394	3.70	100.0	2	3
137.0	35.0	25	08.8	113	03.0	ST	58	06	07	0648	148	396	3.74	100.0	15	85
137.0	40.0	24	58.7	113	22.0	ST	58	06	07	1006	148	330	4.49	100.0	37	705
137.0	45.0	24	48.5	113	41.5	ST	58	06	07	1231	145	364	3.98	100.0	0	60
137.0	50.0	24	38.5	114	00.0	ST	58	06	07	1516	140	408	3.43	100.0	14	732

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
40.0	38.0	41	47.5	124	28.0	ST	58	07	06	0900	106	389	2.73	100.0	11	6
40.0	40.0	41	43.0	124	38.0	ST	58	07	06	1046	127	503	2.53	100.0	30	147
40.0	45.0	41	33.9	124	59.0	ST	58	07	06	1346	138	489	2.82	100.0	17	172
40.0	50.0	41	24.0	125	21.0	ST	58	07	06	1656	130	429	3.02	100.0	39	124
40.0	55.0	41	14.0	125	44.2	ST	58	07	06	2006	140	466	3.00	100.0	71	468
40.0	60.0	41	03.9	126	07.0	ST	58	07	06	2231	158	401	3.93	100.0	18	60
40.0	65.0	40	53.5	126	30.0	ST	58	07	07	0151	141	499	2.82	100.0	28	40
40.0	70.0	40	43.0	126	53.2	ST	58	07	07	0521	145	474	3.05	100.0	16	4
40.0	80.0	40	23.0	127	38.0	ST	58	07	07	1031	148	477	3.11	100.0	0	6
40.0	90.0	40	05.8	128	10.0	ST	58	07	07	1541	144	460	3.13	100.0	2	8
43.0	42.0	41	04.2	124	20.5	ST	58	07	06	0336	124	502	2.47	100.0	25	7
43.0	45.0	40	58.3	124	34.8	ST	58	07	06	0146	135	486	2.78	100.0	156	55
43.0	50.0	40	45.2	125	08.2	ST	58	07	05	2126	140	460	3.05	100.0	57	44
43.0	55.0	40	33.8	125	26.0	ST	58	07	05	1831	145	441	3.28	100.0	17	173
43.0	60.0	40	25.1	125	45.0	ST	58	07	05	1521	128	480	2.67	100.0	21	168
43.0	90.0	39	29.5	127	52.0	ST	58	07	07	2156	141	485	2.90	100.0	13	14
47.0	50.0	40	13.2	124	31.6	ST	58	07	05	0331	120	569	2.12	100.0	90	143
47.0	55.0	40	03.4	124	54.2	ST	58	07	05	0556	138	459	3.02	100.0	13	42
47.0	60.0	39	51.8	125	19.5	ST	58	07	05	0930	142	480	2.95	100.0	15	245
47.0	90.0	38	54.2	127	30.0	ST	58	07	08	0256	145	464	3.13	100.0	15	230
50.0	70.0	39	06.0	125	38.0	ST	58	07	08	2206	150	465	3.23	100.0	60	219
50.0	80.0	38	42.5	126	23.2	ST	58	07	08	1636	143	473	3.03	100.0	46	113
50.0	90.0	38	19.0	127	07.5	ST	58	07	08	0806	141	504	2.79	100.0	9	166
53.0	52.0	39	02.3	123	51.2	PT	58	07	17	1406	96	254	3.80	100.0	11	1202
53.0	55.0	38	56.3	124	02.5	PT	58	07	17	1126	138	443	3.11	100.0	7	9
53.0	60.0	38	46.5	124	26.4	PT	58	07	17	0751	139	415	3.34	100.0	18	16
57.0	51.0	38	30.0	123	22.0	PT	58	07	16	1858	93	352	2.65	100.0	1	12
57.0	55.0	38	22.1	123	39.5	PT	58	07	16	2126	146	415	3.51	100.0	22	10
57.0	60.0	38	12.2	124	01.5	PT	58	07	17	0121	118	428	2.77	100.0	31	38
60.0	52.0	37	53.5	123	02.5	ST	58	07	09	2030	73	243	3.00	100.0	33	71
60.0	55.0	37	47.5	123	15.0	ST	58	07	09	2208	72	247	2.91	100.0	11	10
60.0	60.0	37	37.0	123	37.0	ST	58	07	10	0111	143	468	3.06	100.0	52	7
60.0	65.0	37	27.0	123	59.0	ST	58	07	10	0501	142	462	3.07	100.0	18	28
60.0	70.0	37	17.0	124	21.0	ST	58	07	10	0736	140	491	2.84	100.0	40	12
60.0	80.0	36	57.0	125	04.0	ST	58	07	10	1326	148	457	3.24	100.0	1	4
60.0	90.0	36	37.0	125	47.0	ST	58	07	10	1845	140	477	2.93	100.0	1	6
63.0	52.0	37	19.0	122	36.2	ST	58	07	11	2143	68	239	2.84	100.0	6	7
63.0	55.0	37	14.0	122	49.5	ST	58	07	11	2005	135	488	2.77	100.0	20	162
63.0	60.0	37	32.5	123	12.0	ST	58	07	11	1656	140	456	3.07	100.0	6	17
63.0	65.0	36	53.0	123	32.0	ST	58	07	11	1411	143	454	3.14	100.0	20	26
63.0	70.0	36	42.0	123	55.0	ST	58	07	11	1100	151	435	3.47	100.0	8	25
63.0	80.0	36	22.5	124	18.0	ST	58	07	11	0536	141	497	2.84	100.0	4	52
63.0	90.0	36	03.0	125	21.0	ST	58	07	10	2336	150	440	3.41	100.0	8	10
67.0	50.0	36	49.0	122	04.6	ST	58	07	12	0221	131	488	2.69	100.0	18	1
67.0	55.0	36	39.0	122	26.0	ST	58	07	12	0500	132	493	2.68	100.0	183	48

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
67.0	60.0	36	29.0	122	47.5	ST	58	07	12	0806	143	441	3.24	100.0	34	69
67.0	65.0	36	19.0	123	08.5	ST	58	07	12	1111	148	447	3.31	100.0	1	9
67.0	70.0	36	07.5	123	29.0	ST	58	07	12	1340	140	493	2.83	100.0	2	9
67.0	80.0	35	47.0	124	12.5	ST	58	07	12	1821	140	473	2.97	100.0	2	1
67.0	90.0	35	28.5	124	52.0	ST	58	07	12	2321	146	469	3.12	100.0	5	4
67.0	100.0	35	09.0	125	33.0	ST	58	07	13	0411	138	511	2.70	100.0	13	47
70.0	52.0	36	09.0	121	48.0	PT	58	07	14	1756	133	444	3.00	100.0	54	7
70.0	55.0	36	02.8	122	01.8	PT	58	07	14	1516	122	483	2.54	100.0	5	15
70.0	60.0	35	49.5	122	23.0	PT	58	07	14	1116	137	460	2.98	100.0	8	3
70.0	65.0	34	41.9	122	43.0	PT	58	07	14	0756	142	478	2.98	100.0	1	1
70.0	70.0	35	29.8	123	12.0	PT	58	07	14	0241	144	450	3.19	100.0	9	13
70.0	75.0	35	20.4	123	31.8	PT	58	07	13	2346	129	471	2.75	100.0	64	9
70.0	80.0	35	07.5	123	50.0	ST	58	07	13	2311	152	463	3.28	100.0	43	5
70.0	85.0	34	39.0	124	10.0	ST	58	07	13	1940	142	471	3.01	100.0	3	11
70.0	90.0	34	51.5	124	27.0	ST	58	07	13	1526	145	476	3.05	100.0	0	8
70.0	100.0	34	32.5	125	09.0	ST	58	07	13	0906	140	504	2.78	100.0	8	25
73.0	51.0	35	35.2	121	21.3	PT	58	07	12	1746	128	496	2.58	100.0	289	1
73.0	55.0	35	28.3	121	36.5	PT	58	07	12	2016	145	444	3.26	100.0	69	8
73.0	60.0	35	19.6	121	58.4	PT	58	07	12	2346	127	451	2.82	100.0	47	8
73.0	65.0	35	11.0	122	20.3	PT	58	07	13	0321	134	468	2.87	100.0	15	3
73.0	70.0	33	00.5	122	43.4	PT	58	07	13	0626	127	457	2.78	100.0	10	8
73.0	75.0	34	51.3	123	03.0	PT	58	07	13	1011	144	408	3.52	100.0	43	15
73.0	80.0	34	41.1	123	24.1	PT	58	07	13	1311	134	452	2.96	100.0	4	11
77.0	50.0	35	05.6	120	53.3	PT	58	07	11	0816	123	403	3.05	100.0	23	4
77.0	55.0	34	54.2	121	13.6	PT	58	07	11	0456	138	423	3.27	100.0	8	5
77.0	60.0	34	44.5	121	34.0	PT	58	07	11	0026	130	497	2.62	100.0	55	38
77.0	65.0	34	32.3	121	57.0	PT	58	07	10	2051	125	490	2.55	100.0	86	147
77.0	70.0	34	24.8	122	16.5	PT	58	07	10	1616	111	512	2.18	100.0	18	13
77.0	75.0	34	11.3	122	35.6	PT	58	07	10	1246	126	496	2.54	100.0	9	26
77.0	80.0	34	02.6	122	56.2	PT	58	07	10	0916	130	474	2.74	100.0	14	20
77.0	85.0	33	53.8	123	17.9	PT	58	07	10	0616	114	518	2.19	100.0	68	49
77.0	90.0	33	45.8	123	39.5	PT	58	07	10	0201	142	437	3.24	100.0	179	42
80.0	51.0	34	26.5	120	32.5	PT	58	07	08	1323	67	264	2.55	100.0	5	9
80.0	55.0	34	18.6	120	48.4	PT	58	07	08	1601	116	535	2.17	100.0	91	10
80.0	60.0	34	08.5	121	09.0	PT	58	07	08	1936	145	413	3.51	100.0	94	60
80.0	65.0	33	57.5	121	28.2	PT	58	07	08	2326	159	387	4.10	100.0	12	10
80.0	70.0	33	46.2	121	49.2	PT	58	07	09	0243	141	443	3.18	100.0	46	4
80.0	75.0	33	35.5	122	09.8	PT	58	07	09	0636	138	461	2.99	100.0	7	0
80.0	80.0	33	24.8	122	30.5	PT	58	07	09	0936	143	356	4.01	100.0	7	9
80.0	85.0	33	15.7	122	51.5	PT	58	07	09	1341	152	401	3.80	100.0	10	4
80.0	90.0	33	10.0	123	14.0	PT	58	07	09	1646	135	456	2.95	100.0	18	19
82.0	47.0	34	14.5	119	58.0	PT	58	07	07	2001	143	456	3.14	100.0	7	4
83.0	40.0	34	13.5	119	21.7	PT	58	07	08	0200	11	84	1.35	100.0	124	111
83.0	43.0	34	07.1	119	34.4	PT	58	07	07	2331	139	443	3.15	100.0	179	148
83.0	51.0	33	51.5	120	07.4	PT	58	07	07	1541	96	295	3.26	100.0	29	0

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	55.0	33 43.3	120 23.8	PT	58 07 07	1301	135	453	2.98	100.0	28	12
83.0	60.0	33 33.5	120 44.2	PT	58 07 07	0946	141	443	3.18	100.0	2	15
83.0	65.0	33 24.1	121 04.1	PT	58 07 07	0651	137	449	3.06	100.0	0	32
83.0	70.0	33 14.0	121 25.4	PT	58 07 07	0311	140	463	3.03	100.0	16	5
83.0	75.0	33 04.3	121 46.3	PT	58 07 06	2351	149	463	3.21	100.0	13	14
83.0	80.0	32 54.0	122 07.8	PT	58 07 06	2001	137	500	2.73	100.0	35	113
83.0	85.0	32 41.7	122 25.0	PT	58 07 06	1706	142	428	3.33	100.0	6	96
83.0	90.0	32 27.0	122 42.8	PT	58 07 06	1331	141	438	3.22	100.0	31	190
87.0	35.0	33 50.0	118 37.5	PT	58 07 04	1246	138	458	3.01	100.0	4	88
87.0	40.0	33 41.0	118 58.8	PT	58 07 04	1616	140	381	3.68	100.0	4	7
87.0	45.0	33 30.0	119 19.0	PT	58 07 04	2026	143	492	2.91	100.0	5	21
87.0	50.0	33 20.0	119 39.0	PT	58 07 05	0008	61	237	2.57	100.0	343	231
87.0	55.0	33 10.0	120 00.5	PT	58 07 05	0306	122	519	2.35	100.0	318	62
87.0	60.0	33 00.0	120 21.2	PT	58 07 05	1036	136	450	3.03	100.0	13	79
87.0	65.0	32 41.5	120 41.6	PT	58 07 05	1426	134	456	2.94	100.0	7	10
87.0	70.0	32 30.5	121 00.0	PT	58 07 05	1716	140	445	3.15	100.0	8	11
87.0	75.0	32 20.7	121 18.6	PT	58 07 05	2101	143	437	3.27	100.0	25	3
87.0	80.0	32 10.0	121 37.2	PT	58 07 06	0001	144	477	3.01	100.0	14	238
87.0	85.0	31 59.0	121 56.0	PT	58 07 06	0351	150	416	3.60	100.0	96	252
87.0	90.0	31 48.9	122 19.4	PT	58 07 06	0701	137	445	3.09	100.0	76	1282
90.0	28.0	33 28.6	117 47.7	OR	58 07 02	2216	124	536	2.31	100.0	102	100
90.0	30.0	33 24.4	117 55.5	OR	58 07 03	0031	138	452	3.04	100.0	58	7
90.0	37.0	33 10.5	118 23.5	OR	58 07 03	0526	138	447	3.09	100.0	68	164
90.0	45.0	32 55.5	118 56.5	OR	58 07 03	1326	136	429	3.17	100.0	135	1077
90.0	50.0	32 44.5	119 15.0	OR	58 07 03	1638	55	169	3.27	100.0	108	383
90.0	55.0	32 34.0	119 36.5	OR	58 07 03	2106	130	435	2.98	100.0	275	243
90.0	60.0	32 22.5	119 57.5	OR	58 07 04	0110	140	426	3.29	100.0	104	2
90.0	65.0	32 09.0	120 15.0	OR	58 07 04	0420	141	429	3.29	100.0	39	5
90.0	75.0	31 43.0	121 00.0	OR	58 07 04	1226	138	424	3.25	100.0	6	315
90.0	80.0	31 38.5	121 20.0	OR	58 07 04	1546	142	415	3.42	100.0	41	404
90.0	85.0	31 35.0	121 39.0	OR	58 07 04	1856	140	430	3.25	100.0	13	601
90.0	90.0	31 25.0	122 00.0	OR	58 07 04	2351	140	443	3.15	100.0	252	1035
93.0	27.0	32 56.7	117 20.0	OR	58 07 07	0056	143	402	3.55	100.0	54	422
93.0	30.0	32 50.0	117 32.3	OR	58 07 06	2216	122	454	2.68	100.0	50	53
93.0	35.0	32 34.5	117 50.5	OR	58 07 06	1821	140	411	3.41	100.0	10	1
93.0	40.0	32 29.5	118 10.5	OR	58 07 06	1601	141	432	3.25	100.0	40	0
93.0	45.0	32 14.5	118 34.0	OR	58 07 06	1201	137	413	3.32	100.0	46	27
93.0	50.0	32 01.5	118 44.0	OR	58 07 06	0856	132	444	2.98	100.0	136	51
93.0	55.0	31 52.0	119 08.0	OR	58 07 06	0526	142	429	3.32	100.0	171	13
93.0	60.0	31 43.5	119 32.0	OR	58 07 06	0211	136	454	3.00	100.0	494	58
93.0	65.0	31 35.0	119 54.0	OR	58 07 05	2226	125	512	2.43	100.0	45	12
93.0	70.0	31 27.5	120 14.5	OR	58 07 05	1916	142	439	3.24	100.0	6	28
93.0	75.0	31 20.0	120 34.0	OR	58 07 05	1521	139	423	3.29	100.0	143	520
93.0	80.0	31 14.0	120 56.0	OR	58 07 05	1226	137	427	3.20	50.0	149	1272
93.0	85.0	31 01.5	121 18.5	OR	58 07 05	0826	147	420	3.50	100.0	42	227

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	90.0	30	51.5	121	38.0	OR	58	07	05	0626	141	423	3.33	100.0	108	244
97.0	30.0	32	15.5	117	09.0	OR	58	07	07	2303	48	310	1.57	100.0	13	112
97.0	32.0	32	11.5	117	16.2	OR	58	07	08	0106	144	421	3.41	100.0	60	42
97.0	35.0	32	05.5	117	31.0	OR	58	07	08	0310	140	452	3.10	100.0	26	4
97.0	40.0	31	56.0	117	50.0	OR	58	07	08	0641	144	456	3.15	100.0	5	0
97.0	45.0	31	46.5	118	10.0	OR	58	07	08	0941	152	426	3.58	100.0	3	0
97.0	50.0	31	36.0	118	30.5	OR	58	07	08	1406	141	463	3.05	100.0	1	2
97.0	55.0	31	26.0	118	50.0	OR	58	07	08	1716	141	477	2.95	100.0	2	0
97.0	60.0	31	14.2	119	08.5	OR	58	07	08	2116	134	479	2.80	100.0	64	8
97.0	65.0	31	02.0	119	27.5	OR	58	07	09	0041	141	458	3.07	100.0	60	159
97.0	70.0	30	47.5	119	47.5	OR	58	07	09	0436	140	457	3.07	100.0	56	980
97.0	75.0	30	35.5	120	08.0	OR	58	07	09	0801	133	507	2.61	100.0	9	606
97.0	80.0	30	21.0	120	32.0	OR	58	07	09	1206	138	460	3.00	100.0	35	110
97.0	85.0	30	20.0	120	50.0	OR	58	07	09	1451	138	474	2.91	100.0	40	248
97.0	90.0	30	15.5	121	10.0	OR	58	07	09	1816	138	447	3.08	100.0	121	147
100.0	30.0	31	40.8	116	46.5	OR	58	07	12	2151	121	562	2.16	100.0	13	10
100.0	35.0	31	30.8	117	06.8	OR	58	07	13	0056	136	480	2.84	100.0	25	3
100.0	40.0	31	20.8	117	27.2	OR	58	07	13	0446	142	496	2.86	100.0	6	2
100.0	45.0	31	13.8	117	35.0	OR	58	07	11	0916	131	530	2.47	100.0	7	23
100.0	50.0	31	03.0	117	57.0	OR	58	07	11	0556	142	501	2.83	100.0	17	85
100.0	55.0	30	52.0	118	19.5	OR	58	07	11	0216	138	515	2.68	100.0	103	86
100.0	60.0	30	41.0	118	41.0	OR	58	07	10	2241	135	522	2.59	100.0	34	143
100.0	65.0	30	31.0	119	04.0	OR	58	07	10	1821	142	488	2.91	100.0	212	227
100.0	70.0	30	20.5	119	26.2	OR	58	07	10	1446	140	140	2.90	100.0	71	655
100.0	75.0	30	09.5	119	48.0	OR	58	07	10	1041	131	514	2.56	100.0	108	1069
100.0	80.0	30	00.0	120	08.0	OR	58	07	10	0701	140	449	3.11	100.0	110	348
100.0	85.0	29	50.2	120	28.0	OR	58	07	10	0316	139	454	3.07	100.0	791	53
100.0	90.0	29	42.5	120	48.0	OR	58	07	10	0006	140	494	2.83	100.0	478	136
103.0	30.0	31	05.2	116	25.0	OR	58	07	13	1158	54	225	2.38	100.0	2	9
103.0	35.0	30	55.6	116	45.3	OR	58	07	13	1521	131	523	2.50	100.0	16	5
103.0	40.0	30	45.2	117	05.5	OR	58	07	13	1836	140	500	2.79	100.0	15	16
103.0	45.0	30	38.0	117	24.0	OR	58	07	13	2141	132	525	2.51	100.0	21	103
103.0	50.0	30	24.0	117	43.0	OR	58	07	14	0126	140	492	2.84	100.0	17	63
103.0	55.0	30	10.5	118	03.0	OR	58	07	14	0431	142	512	2.78	100.0	35	30
103.0	60.0	29	57.0	118	23.5	OR	58	07	14	0806	135	528	2.56	100.0	2	43
103.0	65.0	29	41.0	118	46.7	OR	58	07	14	1116	132	544	2.42	100.0	9	12
103.0	70.0	29	39.7	119	04.0	OR	58	07	14	1416	140	515	2.71	100.0	1	78
103.0	75.0	29	36.8	119	24.2	OR	58	07	14	1706	143	498	2.87	100.0	4	78
103.0	80.0	29	25.5	119	46.0	OR	58	07	14	2051	136	522	2.60	100.0	9	295
103.0	85.0	29	14.7	120	08.7	OR	58	07	14	2356	140	481	2.90	100.0	344	944
103.0	90.0	29	04.0	120	31.2	OR	58	07	15	0336	142	503	2.83	100.0	244	199
107.0	32.0	30	25.0	116	12.0	OR	58	07	18	0546	140	489	2.86	100.0	28	44
107.0	35.0	30	20.0	116	23.0	OR	58	07	18	0336	134	501	2.67	100.0	16	117
107.0	40.0	30	09.8	116	42.8	OR	58	07	17	2346	140	506	2.76	100.0	28	258
107.0	45.0	29	58.2	116	59.5	OR	58	07	17	2006	126	574	2.20	100.0	11	161

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	50.0	29	49.5	117	20.5	OR	58	07	17	1701	141	516	2.74	100.0	1	10
107.0	55.0	29	41.0	117	42.0	OR	58	07	17	1321	139	481	3.32	100.0	0	7
107.0	60.0	29	33.5	118	01.0	OR	58	07	16	1051	129	560	2.30	100.0	0	37
107.0	65.0	29	18.1	118	26.0	OR	58	07	16	0506	141	509	2.77	100.0	1	56
107.0	70.0	29	10.0	118	44.0	OR	58	07	16	0146	139	515	2.70	100.0	0	58
107.0	75.0	29	00.5	119	00.0	OR	58	07	15	2146	130	532	2.45	100.0	0	121
107.0	80.0	28	51.0	119	19.2	OR	58	07	15	1836	143	510	2.80	100.0	1	122
107.0	85.0	28	43.0	119	37.2	OR	58	07	15	1506	140	511	2.73	100.0	6	220
107.0	90.0	28	26.0	120	08.0	OR	58	07	15	1016	130	539	2.42	100.0	20	79
110.0	33.0	29	49.9	115	52.0	OR	58	07	18	1018	67	293	2.28	100.0	4	332
110.0	35.0	29	46.8	116	00.0	OR	58	07	18	1201	141	505	2.80	100.0	3	151
110.0	40.0	29	34.8	116	19.0	OR	58	07	18	1536	138	484	2.85	100.0	14	67
110.0	45.0	29	23.8	116	37.2	OR	58	07	18	1940	142	500	2.83	100.0	10	53
110.0	50.0	29	12.0	116	58.0	OR	58	07	18	2221	134	563	2.37	100.0	1	30
110.0	55.0	29	00.0	117	20.0	OR	58	07	19	0131	137	491	2.79	100.0	0	11
110.0	60.0	28	47.6	117	41.0	OR	58	07	19	0511	144	494	2.91	100.0	0	23
110.0	65.0	28	37.5	118	02.0	OR	58	07	19	0951	130	539	2.41	100.0	0	222
110.0	70.0	28	31.8	118	17.4	OR	58	07	19	1241	140	488	2.86	100.0	0	22
110.0	75.0	28	24.5	118	36.0	OR	58	07	19	1506	135	476	2.84	100.0	0	21
110.0	80.0	28	17.2	118	56.0	OR	58	07	19	1751	142	525	2.70	100.0	0	71
113.0	30.0	29	22.5	115	17.5	BD	58	07	21	1333	48	157	3.06	100.0	1	5
113.0	35.0	29	15.3	115	37.5	BD	58	07	21	1036	145	445	3.26	100.0	12	73
113.0	45.0	28	47.3	116	17.5	BD	58	07	21	0236	145	440	3.29	100.0	9	30
113.0	50.0	28	40.0	116	37.5	BD	58	07	20	2236	141	478	2.96	100.0	8	49
113.0	55.0	28	32.0	116	57.0	BD	58	07	20	1936	146	453	3.23	100.0	2	125
113.0	60.0	28	22.0	112	16.5	BD	58	07	20	1331	142	470	3.03	100.0	0	32
113.0	65.0	28	11.2	117	38.0	BD	58	07	20	1246	143	455	3.14	100.0	1	33
113.0	70.0	28	03.0	117	55.0	BD	58	07	20	0936	147	453	3.24	100.0	0	39
113.0	75.0	27	51.2	118	15.0	BD	58	07	20	0706	142	477	2.98	100.0	17	46
113.0	80.0	27	41.0	118	36.2	BD	58	07	20	0321	142	483	2.93	100.0	25	41
117.0	26.0	28	56.0	114	41.0	BD	58	07	18	0308	64	225	2.85	100.0	3	81
117.0	30.0	28	48.0	114	56.5	BD	58	07	18	0528	84	271	3.10	100.0	4	181
117.0	35.0	28	38.0	115	16.0	BD	58	07	18	0816	130	465	2.79	100.0	4	16
117.0	40.0	28	28.0	115	35.5	BD	58	07	18	2021	140	474	2.96	100.0	3	5
117.0	45.0	28	18.0	115	55.2	BD	58	07	19	0011	149	459	3.24	100.0	0	2
117.0	50.0	28	08.0	116	15.0	BD	58	07	19	0306	142	457	3.10	100.0	3	90
117.0	55.0	27	57.5	116	36.5	BD	58	07	19	0626	137	455	3.01	100.0	1	125
117.0	60.0	27	47.5	116	54.0	BD	58	07	19	0851	136	484	2.81	100.0	1	76
117.0	65.0	27	37.5	117	13.2	BD	58	07	19	1226	142	447	3.18	100.0	9	199
117.0	70.0	27	27.5	117	32.5	BD	58	07	19	1506	142	458	3.09	100.0	18	169
117.0	75.0	27	17.5	117	52.0	BD	58	07	19	1826	132	517	2.56	100.0	65	38
117.0	80.0	27	07.5	118	11.0	BD	58	07	19	2126	139	478	2.90	100.0	191	43
118.0	39.0	28	18.5	115	24.0	BD	58	07	18	1136	138	449	3.07	100.0	2	43
119.0	33.0	28	19.0	114	53.0	BD	58	07	17	1627	90	347	2.60	100.0	26	28
120.0	25.0	28	23.0	114	14.5	BD	58	07	17	2206	48	190	2.50	100.0	19	157

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	30.0	28 13.0	114 34.0	BD	58 07 17	1903	85	296	2.88	100.0	8	184
120.0	35.0	28 03.0	114 54.0	BD	58 07 17	1340	58	176	3.31	100.0	26	378
120.0	40.0	27 56.5	115 14.0	BD	58 07 17	1108	35	135	2.58	100.0	3	52
120.0	45.0	27 44.2	115 33.7	BD	58 07 17	0746	144	443	3.25	100.0	8	302
120.0	50.0	27 33.5	115 53.0	BD	58 07 17	0431	143	462	3.10	100.0	3	57
120.0	55.0	27 23.0	116 13.0	BD	58 07 17	0136	144	464	3.10	100.0	1	91
120.0	65.0	27 03.0	116 51.0	BD	58 07 16	1836	138	464	2.97	100.0	15	165
120.0	70.0	26 52.5	117 12.0	BD	58 07 16	1446	143	432	3.32	100.0	94	57
120.0	75.0	26 45.0	117 29.0	BD	58 07 16	1141	146	442	3.31	100.0	54	70
120.0	80.0	26 32.5	117 48.5	BD	58 07 16	0756	134	529	2.54	100.0	182	85
120.0	85.0	26 23.0	118 08.0	BD	58 07 16	0506	133	480	2.77	100.0	44	15
120.0	90.0	26 13.0	118 27.5	BD	58 07 16	0111	143	453	3.17	100.0	129	22
123.0	37.0	27 24.0	114 39.7	BD	58 07 14	1813	60	229	2.63	100.0	3	60
123.0	42.0	27 14.0	114 59.3	BD	58 07 14	2036	137	473	2.89	100.0	4	112
123.0	45.0	27 08.0	115 11.0	BD	58 07 14	2356	143	453	3.16	100.0	16	73
123.0	50.0	26 57.5	115 30.0	BD	58 07 15	0241	136	451	3.01	100.0	8	28
123.0	55.0	26 47.2	115 49.0	BD	58 07 15	0556	134	478	2.81	100.0	0	142
123.0	60.0	26 36.5	116 08.0	BD	58 07 15	0836	141	482	2.93	100.0	7	596
123.0	70.0	26 18.5	116 47.0	BD	58 07 15	1701	138	474	2.91	100.0	34	196
127.0	34.0	26 55.3	114 06.0	BD	58 07 14	1218	74	275	2.70	100.0	0	8
127.0	40.0	26 36.0	114 26.0	BD	58 07 14	0751	144	409	3.52	100.0	2	11
127.0	45.0	26 27.5	114 45.2	BD	58 07 14	0456	138	457	3.01	100.0	1	55
127.0	50.0	26 19.0	115 04.0	BD	58 07 14	0136	147	423	3.48	100.0	57	106
127.0	55.0	26 10.0	115 24.5	BD	58 07 13	2246	145	354	4.08	100.0	16	598
127.0	60.0	26 02.0	115 44.0	BD	58 07 13	1921	141	478	2.94	100.0	24	1624
130.0	30.0	26 29.0	113 29.0	BD	58 07 12	1848	63	230	2.75	100.0	10	67
130.0	35.0	26 19.0	113 48.5	BD	58 07 12	2156	138	418	3.31	100.0	1	19
130.0	40.0	26 09.0	114 07.5	BD	58 07 13	0106	143	472	3.02	100.0	47	42
130.0	45.0	25 58.0	114 25.0	BD	58 07 13	0431	134	512	2.62	100.0	10	144
130.0	50.0	25 47.5	114 44.0	BD	58 07 13	0711	133	479	2.78	100.0	6	180
130.0	60.0	25 23.0	115 25.0	BD	58 07 13	1336	139	469	2.96	100.0	9	113
133.0	25.0	26 04.5	112 48.0	BD	58 07 12	0618	59	234	2.51	100.0	0	2
133.0	30.0	25 54.5	113 07.5	BD	58 07 12	0311	137	513	2.68	100.0	1	22
133.0	35.0	25 44.5	113 26.5	BD	58 07 12	1221	141	461	3.05	100.0	15	45
133.0	40.0	25 34.5	113 45.5	BD	58 07 11	1946	137	514	2.66	100.0	34	106
133.0	45.0	25 24.5	114 04.5	BD	58 07 11	1701	130	485	2.69	100.0	5	421
133.0	50.0	25 13.0	114 22.0	BD	58 07 11	1224	138	496	2.79	100.0	15	261
133.0	55.0	25 04.0	114 42.0	BD	58 07 11	0936	142	478	2.97	100.0	3	45
133.0	60.0	24 54.5	115 01.5	BD	58 07 11	0616	136	481	2.82	100.0	79	20
137.0	23.0	25 33.0	112 18.7	BD	58 07 10	0244	59	225	2.62	100.0	14	53
137.0	30.0	25 20.0	112 45.5	BD	58 07 10	0629	142	463	3.07	100.0	2	206
137.0	35.0	25 10.0	113 04.5	BD	58 07 10	0919	113	598	1.88	100.0	53	46
137.0	40.0	25 00.0	113 23.5	BD	58 07 10	1236	134	535	2.51	100.0	3	53
137.0	45.0	24 50.0	113 42.5	BD	58 07 10	1556	135	516	2.62	100.0	5	742
137.0	50.0	24 40.0	114 01.5	BD	58 07 10	1848	140	464	3.02	100.0	24	448

TABLE 1. (cont.)

CalCOFI Cruise 5807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
137.0	55.0	24	30.0	114	20.0	BD	58	07	10	2151	142	478	2.98	100.0	32	42
137.0	60.0	24	20.0	114	39.5	BD	58	07	11	0036	139	490	2.84	100.0	102	10

TABLE 1. (cont.)

CalCOFI Cruise 5808

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	33.0	29	50.5	115	52.2	BD	58	08	06	1342	81	279	2.91	100.0	15	30
110.0	35.0	29	46.5	116	00.0	BD	58	08	06	1216	135	475	2.84	100.0	3	21
110.0	40.0	29	42.0	116	19.5	BD	58	08	06	0931	141	469	3.00	100.0	1	2254
113.0	30.0	29	22.5	115	17.5	BD	58	08	06	1859	48	182	2.67	100.0	0	21
113.0	35.0	29	12.0	115	39.0	BD	58	08	06	2136	139	469	2.95	100.0	0	0
113.0	40.0	29	02.0	115	58.5	BD	58	08	07	0051	139	451	3.08	100.0	24	181
115.0	27.0	29	11.0	114	55.0	BD	58	08	07	1403	66	257	2.58	100.0	2	1
115.0	30.0	29	04.0	115	08.0	BD	58	08	07	1128	78	259	2.99	100.0	1	5
115.0	35.0	28	55.0	115	27.5	BD	58	08	07	0831	141	465	3.04	100.0	0	1
115.0	40.0	28	45.0	115	47.0	BD	58	08	07	0451	133	457	2.91	100.0	2	10
117.0	26.0	28	56.0	114	41.0	BD	58	08	07	1643	70	234	2.97	100.0	3	21
117.0	30.0	28	48.0	114	56.5	BD	58	08	07	1918	82	270	3.03	100.0	2	12
117.0	35.0	28	38.0	115	16.0	BD	58	08	07	2226	148	395	3.74	100.0	1	8
117.0	40.0	28	28.0	115	35.5	BD	58	08	08	0131	136	437	3.11	100.0	4	8
118.5	25.0	28	40.5	114	25.5	BD	58	08	08	1143	69	226	3.06	100.0	5	419
118.5	30.0	28	30.5	114	45.5	BD	58	08	08	0907	86	278	3.09	100.0	13	157
118.5	35.0	28	20.5	115	05.0	BD	58	08	08	0512	105	356	2.94	100.0	24	9954
119.0	33.0	28	19.0	114	53.0	BD	58	08	08	0707	100	295	3.40	100.0	10	271
120.0	25.0	28	23.0	114	14.5	BD	58	08	08	1419	45	168	2.67	100.0	19	187
120.0	30.0	28	13.0	114	34.0	BD	58	08	08	1703	77	245	3.13	100.0	34	10
120.0	35.0	28	03.0	114	54.0	BD	58	08	08	1938	69	230	2.98	100.0	55	39
120.0	40.0	27	56.5	115	14.0	BD	58	08	08	2144	30	140	2.13	100.0	821	86
120.0	45.0	27	43.0	115	33.0	BD	58	08	09	0101	141	412	3.42	100.0	42	7
123.0	37.0	27	24.0	114	39.7	BD	58	08	09	0958	64	257	2.48	100.0	1	352
123.0	42.0	27	14.0	114	59.7	BD	58	08	09	0716	136	468	2.91	100.0	18	174
123.0	45.0	27	08.0	115	11.2	BD	58	08	09	0511	133	495	2.69	100.0	75	372
127.0	34.0	26	55.3	114	06.0	BD	58	08	09	1543	73	228	3.22	100.0	40	109
127.0	40.0	26	43.5	114	29.5	BD	58	08	09	1851	145	427	3.40	100.0	11	10
127.0	45.0	26	33.5	114	48.7	BD	58	08	09	2141	138	451	3.07	100.0	136	602
130.0	30.0	26	29.0	113	29.0	BD	58	08	10	1233	65	235	2.76	100.0	24	79
130.0	35.0	26	17.7	113	47.2	BD	58	08	10	0946	137	469	2.92	100.0	1	9
130.0	40.0	26	09.0	114	07.5	BD	58	08	10	0631	141	427	3.29	100.0	31	39
130.0	45.0	25	59.0	114	25.7	BD	58	08	10	0321	138	439	3.15	100.0	68	246
133.0	25.0	26	04.5	112	48.0	BD	58	08	10	2224	70	233	3.00	100.0	95	428
133.0	30.0	25	54.5	113	07.5	BD	58	08	11	0115	142	425	3.35	100.0	42	8
137.0	23.0	25	34.2	112	18.7	BD	58	08	11	0918	63	220	2.87	100.0	164	2320
137.0	30.0	25	20.0	112	45.5	BD	58	08	11	0551	140	455	3.07	100.0	14	34

TABLE 1. (cont.)

CalCOFI Cruise 5809

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	28.0	33	28.5	117	46.8	OR	58	09	16	2356	141	331	4.26	100.0	21	8
90.0	28.0	33	28.5	117	46.8	OR	58	09	09	2246	141	496	2.83	100.0	30	2
90.0	28.0	33	28.1	117	46.1	OR	58	09	13	1926	140	498	2.81	100.0	22	0
90.0	30.0	33	24.2	117	55.5	OR	58	09	13	2226	142	470	3.02	100.0	2	1
90.0	30.0	33	24.5	117	55.0	OR	58	09	10	0046	151	439	3.44	100.0	13	1
90.0	30.0	33	24.5	117	55.0	OR	58	09	17	0211	140	416	3.38	100.0	4	4
90.0	37.0	33	10.5	118	23.5	OR	58	09	14	0404	142	498	2.85	100.0	1	0
90.0	37.0	33	10.5	118	23.5	OR	58	09	10	0616	144	486	2.96	100.0	0	1
90.0	37.0	33	10.5	118	23.5	OR	58	09	17	0811	141	445	3.18	100.0	0	1
90.0	45.0	32	55.0	118	56.0	OR	58	09	17	1416	141	451	3.12	100.0	1	0
90.0	45.0	32	57.0	118	56.6	OR	58	09	14	0906	136	600	2.27	100.0	0	4
90.0	45.0	32	55.0	118	56.0	OR	58	09	10	1226	142	505	2.80	100.0	0	0
90.0	50.0	32	44.1	119	16.6	OR	58	09	17	1801	135	484	2.79	100.0	1	3
90.0	50.0	32	44.0	119	15.0	OR	58	09	10	1905	136	526	2.59	100.0	8	1
90.0	50.0	32	45.5	119	14.5	OR	58	09	14	1318	85	301	2.82	100.0	5	0
90.0	55.0	32	34.3	119	33.2	OR	58	09	14	1716	142	581	2.45	100.0	4	1
90.0	55.0	32	33.6	119	37.3	OR	58	09	10	2256	143	476	3.00	100.0	8	1
90.0	55.0	32	33.8	119	38.0	OR	58	09	17	2116	131	463	2.83	100.0	48	2
90.0	60.0	32	25.1	119	57.5	OR	58	09	18	0126	142	434	3.28	100.0	47	9
90.0	60.0	32	23.2	119	52.5	OR	58	09	14	2105	138	359	3.85	100.0	71	2
90.0	60.0	32	22.0	119	57.5	OR	58	09	11	0501	140	503	2.78	100.0	61	18
90.0	65.0	32	10.5	120	18.0	OR	58	09	11	0906	139	487	2.85	100.0	97	54
90.0	65.0	32	12.5	120	12.0	OR	58	09	14	2351	144	423	3.41	100.0	244	56
90.0	70.0	32	05.3	120	36.0	OR	58	09	11	1316	135	511	2.64	100.0	77	43
90.0	70.0	32	01.3	120	30.0	OR	58	09	15	0347	147	430	3.43	100.0	214	39
93.0	27.0	32	55.0	117	21.5	OR	58	09	13	1036	141	475	2.96	100.0	12	4
93.0	27.0	32	55.0	117	21.5	OR	58	09	19	0746	136	487	2.80	100.0	1	7
93.0	27.0	32	55.0	117	21.5	OR	58	09	16	1616	137	470	2.91	100.0	4	9
93.0	30.0	32	50.7	117	31.5	OR	58	09	16	1346	137	479	2.87	100.0	3	1
93.0	30.0	32	50.7	117	31.5	OR	58	09	19	0516	142	461	3.07	100.0	2	0
93.0	30.0	32	50.0	117	31.6	OR	58	09	13	0746	136	513	2.65	100.0	10	1
93.0	35.0	32	39.7	117	52.6	OR	58	09	19	0146	138	457	3.03	100.0	11	1
93.0	35.0	32	39.7	117	52.6	OR	58	09	16	0926	134	497	2.69	100.0	2	2
93.0	35.0	32	40.0	117	52.0	OR	58	09	13	0301	144	389	3.71	100.0	10	2
93.0	40.0	32	30.2	118	13.7	OR	58	09	16	0551	141	461	3.07	100.0	0	0
93.0	40.0	32	31.0	118	31.0	OR	58	09	13	0006	144	588	2.45	100.0	0	0
93.0	40.0	32	30.6	118	11.2	OR	58	09	18	2236	138	477	2.88	100.0	0	0
93.0	45.0	32	20.6	118	31.5	OR	58	09	12	1956	135	524	2.57	100.0	0	0
93.0	45.0	32	15.0	118	33.0	OR	58	09	16	0126	139	459	3.04	100.0	0	3
93.0	45.0	32	20.8	118	32.0	OR	58	09	18	1841	141	493	2.86	100.0	2	2
93.0	50.0	32	10.5	118	54.5	OR	58	09	18	1521	140	473	2.97	100.0	5	5
93.0	50.0	32	08.0	118	55.0	OR	58	09	12	1536	146	523	2.79	100.0	0	3
93.0	50.0	32	10.6	118	53.0	OR	58	09	15	2216	137	472	2.91	100.0	3	19
93.0	55.0	31	58.0	119	13.0	OR	58	09	12	1016	136	500	2.71	100.0	0	3
93.0	55.0	31	59.5	119	13.4	OR	58	09	15	1826	141	496	2.85	100.0	1	9

TABLE 1. (cont.)

CalCOFI Cruise 5809

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	55.0	32	02.5	119	13.3	OR	58	09	18	1106	135	481	2.81	100.0	7	16
93.0	60.0	31	52.5	119	34.8	OR	58	09	18	0736	142	437	3.25	100.0	12	2
93.0	60.0	31	46.0	119	35.0	OR	58	09	12	0616	138	505	2.73	100.0	25	34
93.0	60.0	31	49.5	119	32.0	OR	58	09	15	1516	141	465	3.02	100.0	0	4
93.0	65.0	31	38.0	119	55.0	OR	58	09	12	0046	140	512	2.74	100.0	88	67
93.0	65.0	31	38.5	119	52.0	OR	58	09	15	1126	132	505	2.62	100.0	29	103
93.0	70.0	31	30.2	120	06.0	OR	58	09	15	0901	144	411	3.52	100.0	74	148
93.0	70.0	31	31.0	120	14.0	OR	58	09	11	2106	139	522	2.66	100.0	189	240
110.0	33.0	29	50.5	115	52.2	BD	58	09	04	1747	101	335	3.03	100.0	24	31
110.0	35.0	29	46.5	116	00.0	BD	58	09	04	1621	141	431	3.26	100.0	0	7
110.0	40.0	29	36.5	116	19.5	BD	58	09	04	1342	145	446	3.25	100.0	7	7
113.0	30.0	29	22.5	115	17.5	BD	58	09	04	2304	49	185	2.64	100.0	5	166
113.0	35.0	29	12.0	115	39.0	BD	58	09	05	0222	141	395	3.58	100.0	10	73
113.0	40.0	29	02.0	115	58.2	BD	58	09	05	0532	138	446	3.09	100.0	21	29
115.0	27.0	29	11.0	114	55.0	BD	58	09	05	1823	58	194	3.00	100.0	5	32
115.0	30.0	29	05.0	115	08.0	BD	58	09	05	1608	70	249	2.80	100.0	0	22
115.0	35.0	28	55.0	115	27.5	BD	58	09	05	1301	139	492	2.84	100.0	1	0
115.0	40.0	28	45.0	115	47.0	BD	58	09	05	0933	141	443	3.19	100.0	3	12
117.0	26.0	28	56.0	114	41.0	BD	58	09	05	2128	73	241	3.03	100.0	0	11
117.0	30.0	28	48.0	114	56.5	BD	58	09	05	2337	99	332	2.98	100.0	3	80
117.0	35.0	28	38.0	115	16.0	BD	58	09	06	0311	142	452	3.13	100.0	10	7
117.0	40.0	28	28.0	115	35.5	BD	58	09	06	0557	139	499	2.79	100.0	5	5
118.5	25.0	28	40.5	114	25.5	BD	58	09	06	1803	73	239	3.05	100.0	34	45
118.5	30.0	28	30.5	114	45.5	BD	58	09	06	1508	83	293	2.84	100.0	30	186
118.5	35.0	28	20.5	115	05.0	BD	58	09	06	1112	85	322	2.63	100.0	51	184
119.0	33.0	28	19.0	114	53.0	BD	58	09	06	1303	81	300	2.70	100.0	86	189
120.0	30.0	28	13.0	114	34.0	BD	58	09	07	0058	83	283	2.94	100.0	850	913
120.0	35.0	28	03.0	114	54.0	BD	58	09	07	0713	68	247	2.74	100.0	197	442
120.0	45.0	27	43.0	115	33.0	BD	58	09	07	1341	143	455	3.14	100.0	14	44
123.0	37.0	27	24.0	114	39.7	BD	58	09	08	0553	68	272	2.50	100.0	59	142
123.0	42.0	27	13.2	115	01.2	BD	58	09	08	0231	138	470	2.94	100.0	116	13
127.0	34.0	26	55.3	114	06.0	BD	58	09	08	1138	69	245	2.83	100.0	10	38
127.0	40.0	26	43.5	114	29.5	BD	58	09	08	1441	153	400	3.83	100.0	54	226
127.0	45.0	26	32.2	114	48.5	BD	58	09	08	1816	139	465	2.98	100.0	69	205
130.0	30.0	26	29.0	113	29.0	BD	58	09	09	0908	68	233	2.90	100.0	13	11
130.0	35.0	26	18.7	113	48.5	BD	58	09	09	0611	139	444	3.12	100.0	8	5
130.0	40.0	26	09.2	114	06.8	BD	58	09	09	0301	141	466	3.02	100.0	48	12
130.0	45.0	25	59.0	114	26.0	BD	58	09	08	2351	137	388	3.54	100.0	191	90
133.0	25.0	26	04.5	112	48.0	BD	58	09	09	1713	70	201	3.47	100.0	88	1022
133.0	30.0	25	54.5	113	07.5	BD	58	09	09	1430	70	253	2.78	100.0	4	9
137.0	23.0	25	34.2	112	18.7	BD	58	09	09	2208	72	207	3.48	100.0	235	2012
137.0	30.0	25	20.0	112	45.5	BD	58	09	10	0131	151	419	3.61	100.0	69	229

TABLE 1. (cont.)

CalCOFI Cruise 5810

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	52.0	37	53.4	123	01.8	ST	58	11	01	0243	66	266	2.49	100.0	1	37
60.0	55.0	37	47.5	123	15.0	ST	58	11	01	0538	54	212	2.52	100.0	0	3
60.0	60.0	37	37.0	123	37.0	ST	58	11	02	1536	139	506	2.74	100.0	1	0
60.0	70.0	37	16.5	124	22.0	ST	58	11	02	2106	148	461	3.21	100.0	9	14
60.0	80.0	36	57.5	125	05.0	ST	58	11	03	0206	140	491	2.85	100.0	6	4
60.0	90.0	36	38.4	125	48.8	ST	58	11	03	0726	136	506	2.69	100.0	2	6
60.0	100.0	36	18.7	126	32.5	ST	58	11	03	1251	134	495	2.70	100.0	4	7
63.0	52.0	37	22.5	122	38.2	ST	58	10	31	2158	66	260	2.55	100.0	1	2
63.0	55.0	37	16.0	122	50.0	ST	58	10	31	1946	139	494	2.81	100.0	4	2
63.0	60.0	37	02.5	123	12.0	ST	58	10	31	1616	132	489	2.70	100.0	2	7
63.0	70.0	36	38.0	123	56.0	ST	58	10	31	1041	143	462	3.09	100.0	3	9
63.0	80.0	36	19.0	124	36.5	ST	58	10	31	0436	133	504	2.65	100.0	5	9
63.0	100.0	35	40.5	125	57.0	ST	58	11	03	1821	123	509	2.41	100.0	8	5
67.0	50.0	36	49.0	122	04.6	ST	58	10	30	0402	71	370	1.92	100.0	30	3
67.0	55.0	36	39.0	122	26.0	ST	58	10	30	0641	134	475	2.83	100.0	2	2
67.0	60.0	36	29.5	122	47.8	ST	58	10	30	1021	133	461	2.89	100.0	1	5
67.0	65.0	36	17.0	123	09.0	HO	58	10	16	0346	138	475	2.91	100.0	2	1
67.0	70.0	36	08.0	123	29.5	ST	58	10	30	1626	135	464	2.91	100.0	2	5
67.0	80.0	35	47.8	124	12.5	ST	58	10	30	2226	146	461	3.17	100.0	4	3
67.0	100.0	35	07.6	125	36.0	ST	58	11	03	2326	142	531	2.67	100.0	5	2
70.0	55.0	36	02.0	122	01.0	HO	58	10	17	1921	139	467	2.97	100.0	19	1
70.0	60.0	35	52.0	122	23.0	HO	58	10	17	1426	135	449	3.01	100.0	3	3
70.0	65.0	35	43.0	122	44.0	HO	58	10	15	1251	148	458	3.23	100.0	1	1
70.0	70.0	35	32.5	123	05.0	HO	58	10	16	2316	140	471	2.97	100.0	8	1
70.0	80.0	35	12.0	123	47.5	HO	58	10	16	1126	140	469	2.98	100.0	1	1
70.0	90.0	34	54.2	124	30.5	ST	58	11	04	1226	137	511	2.67	100.0	1	6
70.0	100.0	34	28.0	125	12.8	ST	58	11	04	0441	140	484	2.89	100.0	6	1
73.0	51.0	35	36.5	121	22.0	ST	58	10	29	1726	108	557	1.95	100.0	5	2
73.0	55.0	35	28.8	121	37.0	ST	58	10	29	1506	132	491	2.68	100.0	2	0
73.0	60.0	35	20.0	121	52.5	ST	58	10	29	1130	132	502	2.64	100.0	1	0
73.0	65.0	35	02.3	122	17.0	HO	58	10	14	2006	138	501	2.76	100.0	6	2
73.0	70.0	34	59.5	122	36.5	ST	58	10	29	0516	143	463	3.10	100.0	1	0
73.0	80.0	34	39.0	123	20.2	ST	58	10	28	2241	147	446	3.29	100.0	1	6
73.0	90.0	34	16.5	124	03.0	ST	58	11	04	1816	142	479	2.97	100.0	2	6
77.0	50.0	35	04.0	120	52.0	ST	58	10	27	2051	130	395	3.29	100.0	1	2
77.0	55.0	34	54.5	121	13.0	ST	58	10	28	0026	137	421	3.26	100.0	8	5
77.0	60.0	34	45.0	121	34.0	ST	58	10	28	0428	139	489	2.84	100.0	3	1
77.0	70.0	34	27.5	122	12.2	ST	58	10	28	0956	146	445	3.28	100.0	2	1
77.0	80.0	34	07.5	122	54.5	ST	58	10	28	1536	131	496	2.65	100.0	0	5
77.0	90.0	33	44.0	123	38.0	ST	58	11	04	2336	142	466	3.05	100.0	5	4
80.0	51.0	34	26.5	120	32.5	ST	58	10	27	1447	102	328	3.09	100.0	14	15
80.0	55.0	34	21.8	120	46.0	ST	58	10	27	1226	134	473	2.83	100.0	4	0
80.0	60.0	34	09.5	121	07.0	ST	58	10	27	0916	144	444	3.24	100.0	5	3
80.0	70.0	33	48.0	121	50.5	ST	58	10	27	0346	147	461	3.19	100.0	23	3
80.0	80.0	33	29.0	122	32.0	ST	58	10	26	2216	144	452	3.18	100.0	18	9

TABLE 1. (cont.)

CalCOFI Cruise 5810

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	90.0	33 05.0	123 20.0	ST	58 10 26	1626	136	467	2.91	100.0	12	24
82.0	47.0	34 15.0	119 57.8	ST	58 10 25	1041	135	486	2.77	100.0	11	7
83.0	40.0	34 13.0	119 22.0	ST	58 10 24	0719	12	119	1.03	100.0	7	21
83.0	43.0	34 08.0	119 34.0	ST	58 10 24	0856	134	466	2.87	100.0	22	14
83.0	51.0	33 52.0	120 07.5	ST	58 10 25	1428	53	302	1.74	100.0	2	6
83.0	55.0	33 44.0	120 24.5	ST	58 10 25	1706	137	462	2.96	100.0	0	1
83.0	60.0	33 35.2	120 42.5	ST	58 10 25	1941	136	477	2.84	100.0	2	0
83.0	70.0	33 13.0	121 25.5	ST	58 10 26	0056	123	526	2.34	100.0	10	2
83.0	80.0	32 52.0	122 05.0	ST	58 10 26	0606	129	487	2.64	100.0	8	2
83.0	90.0	32 30.0	122 47.0	ST	58 10 26	1106	137	487	2.82	100.0	4	6
87.0	35.0	33 50.0	118 37.5	ST	58 10 24	0156	134	453	2.95	100.0	49	8
87.0	40.0	33 40.0	118 58.5	ST	58 10 23	2306	141	434	3.25	100.0	0	0
87.0	45.0	33 30.0	119 19.0	ST	58 10 23	2006	136	463	2.93	100.0	7	3
87.0	50.0	33 20.0	119 39.5	ST	58 10 23	1622	61	283	2.17	100.0	2	7
87.0	55.0	33 09.0	120 03.0	ST	58 10 23	1336	136	484	2.80	100.0	6	0
87.0	60.0	33 00.0	120 21.0	ST	58 10 23	1041	138	487	2.84	100.0	4	1
87.0	70.0	32 36.0	121 00.0	ST	58 10 23	0101	131	495	2.64	100.0	90	1
87.0	80.0	32 18.0	121 42.0	ST	58 10 22	2001	134	479	2.79	100.0	13	68
87.0	90.0	32 00.0	122 23.0	ST	58 10 22	1506	128	513	2.49	100.0	22	46
90.0	28.0	33 28.5	117 46.7	ST	58 10 20	2131	125	516	2.42	100.0	4	3
90.0	30.0	33 24.5	117 55.0	ST	58 10 21	0031	132	480	2.74	100.0	12	1
90.0	37.0	33 10.5	118 23.5	ST	58 10 21	0451	129	440	2.93	100.0	1	0
90.0	45.0	32 55.5	118 56.5	ST	58 10 21	0926	139	426	3.25	100.0	1	0
90.0	50.0	32 45.3	119 15.8	ST	58 10 21	1226	133	458	2.91	100.0	4	2
90.0	55.0	32 34.0	119 34.5	ST	58 10 21	1550	112	548	2.04	100.0	5	1
90.0	60.0	32 24.0	119 56.0	ST	58 10 21	1902	130	487	2.66	100.0	36	1
90.0	70.0	32 04.0	120 38.0	ST	58 10 22	2356	149	475	3.13	100.0	134	16
90.0	80.0	31 43.8	121 17.0	ST	58 10 22	0436	130	508	2.56	100.0	61	13
90.0	90.0	31 24.0	121 58.0	ST	58 10 22	0954	133	511	2.60	100.0	38	185
93.0	27.0	32 55.0	117 22.0	ST	58 10 20	0836	140	437	3.20	100.0	1	1
93.0	30.0	32 50.0	117 31.6	ST	58 10 20	0541	134	483	2.78	100.0	0	0
93.0	35.0	32 40.0	117 52.0	ST	58 10 20	0221	133	436	3.06	100.0	2	6
93.0	40.0	32 30.0	118 12.0	ST	58 10 19	2346	140	431	3.24	100.0	2	0
93.0	45.0	32 20.0	118 32.0	ST	58 10 19	2021	144	462	3.11	100.0	5	0
93.0	50.0	32 09.0	118 46.0	ST	58 10 19	1736	132	553	2.38	100.0	5	2
93.0	55.0	31 57.5	119 08.0	ST	58 10 19	1416	138	544	2.54	100.0	6	4
93.0	60.0	31 49.0	119 31.0	ST	58 10 19	1141	139	492	2.82	100.0	4	7
93.0	70.0	31 23.5	120 16.0	ST	58 10 19	0511	129	532	2.43	100.0	132	8
93.0	80.0	31 07.0	120 56.0	ST	58 10 18	2336	137	507	2.70	100.0	133	18
93.0	90.0	30 50.0	121 35.0	ST	58 10 18	1801	142	499	2.85	100.0	94	26
97.0	30.0	32 15.4	117 08.8	ST	58 10 16	2028	60	177	3.36	100.0	12	8
97.0	32.0	32 11.5	117 17.0	ST	58 10 17	0116	129	530	2.43	100.0	189	0
97.0	35.0	32 05.5	117 29.0	ST	58 10 17	0306	129	496	2.60	100.0	13	1
97.0	40.0	31 55.5	117 50.0	ST	58 10 17	0636	135	486	2.77	100.0	10	2
97.0	45.0	31 45.0	118 09.0	ST	58 10 17	0916	145	458	3.16	100.0	1	1

TABLE 1. (cont.)

CalCOFI Cruise 5810

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	50.0	31	36.0	118	29.0	ST	58	10	17	1411	140	479	2.93	100.0	4	1
97.0	55.0	31	26.0	118	52.0	ST	58	10	17	1626	137	498	2.74	100.0	8	3
97.0	60.0	31	18.0	119	10.5	ST	58	10	17	2011	146	453	3.22	100.0	3	2
97.0	70.0	31	01.5	119	47.5	ST	58	10	18	0206	132	507	2.61	100.0	152	12
97.0	80.0	30	44.5	120	25.8	ST	58	10	18	0711	136	490	2.78	100.0	20	40
97.0	90.0	30	24.5	121	11.8	ST	58	10	18	1251	139	488	2.85	100.0	14	12
100.0	29.0	31	42.0	116	43.5	PT	58	10	20	1136	92	231	3.99	100.0	9	15
100.0	30.0	31	40.5	116	46.5	PT	58	10	20	1046	133	541	2.45	100.0	10	5
100.0	35.0	31	30.5	117	10.5	PT	58	10	20	0656	117	584	2.00	100.0	2	2
100.0	40.0	31	20.5	117	29.0	PT	58	10	20	0351	128	547	2.35	100.0	1	2
100.0	45.0	31	10.5	117	49.5	PT	58	10	19	2340	144	558	2.59	100.0	10	5
100.0	55.0	30	52.0	118	29.5	PT	58	10	19	1711	155	549	2.82	100.0	6	6
100.0	70.0	30	12.5	119	40.5	PT	58	10	19	0701	142	556	2.56	100.0	79	23
100.0	80.0	29	55.0	120	12.0	PT	58	10	19	0041	146	632	2.32	100.0	165	29
100.0	90.0	29	40.5	120	39.5	PT	58	10	18	1841	140	530	2.64	100.0	195	23
103.0	32.0	31	00.0	116	33.5	PT	58	10	16	2141	134	569	2.36	100.0	17	5
103.0	35.0	30	53.5	116	45.5	PT	58	10	17	0021	145	503	2.88	100.0	84	3
103.0	40.0	30	44.5	117	06.0	PT	58	10	17	0411	132	516	2.56	100.0	87	6
103.0	45.0	30	35.0	117	24.0	PT	58	10	17	0656	126	569	2.21	100.0	46	7
103.0	50.0	30	26.0	117	46.5	PT	58	10	17	1041	126	579	2.17	100.0	11	1
103.0	55.0	30	16.0	118	05.5	PT	58	10	17	1336	133	522	2.55	100.0	22	3
103.0	60.0	30	06.0	118	24.0	PT	58	10	17	1800	137	520	2.62	100.0	22	3
103.0	70.0	29	44.5	119	08.0	PT	58	10	18	0016	145	496	2.92	100.0	49	21
103.0	80.0	29	24.0	119	51.0	PT	58	10	18	0631	134	532	2.51	100.0	27	46
103.0	90.0	29	09.5	120	25.0	PT	58	10	18	1141	140	533	2.63	100.0	32	29
107.0	32.0	30	25.5	116	10.5	PT	58	10	16	1541	115	591	1.95	100.0	20	9
107.0	40.0	30	15.0	116	34.5	PT	58	10	16	1041	134	546	2.45	100.0	28	5
107.0	45.0	30	04.0	116	54.0	PT	58	10	16	0711	141	546	2.59	100.0	37	8
107.0	50.0	29	54.0	117	14.0	PT	58	10	16	0426	138	544	2.53	100.0	197	12
107.0	55.0	29	44.0	117	34.5	PT	58	10	16	0026	141	524	2.70	100.0	274	30
107.0	60.0	29	33.5	117	56.0	PT	58	10	15	2126	130	557	2.33	100.0	182	16
107.0	70.0	29	13.0	118	38.5	PT	58	10	15	1456	145	525	2.76	100.0	14	27
107.0	80.0	28	49.0	119	16.0	PT	58	10	15	0856	143	540	2.66	100.0	17	20
107.0	90.0	28	25.0	119	58.0	PT	58	10	15	0156	139	556	2.51	100.0	133	11
110.0	33.0	29	50.4	115	52.2	PT	58	10	13	0433	64	284	2.23	100.0	29	108
110.0	35.0	29	46.3	115	59.3	PT	58	10	13	0656	142	525	2.71	100.0	10	7
110.0	40.0	29	35.0	116	18.8	PT	58	10	13	1026	138	538	2.56	100.0	11	5
110.0	45.0	29	24.0	116	37.5	PT	58	10	13	1326	134	556	2.40	100.0	20	5
110.0	50.0	29	13.0	116	56.5	PT	58	10	13	1721	129	584	2.20	100.0	8	2
110.0	55.0	29	02.5	117	16.0	PT	58	10	13	2021	132	564	2.33	100.0	53	3
110.0	60.0	28	52.5	117	35.5	PT	58	10	13	2356	177	600	2.94	100.0	87	17
110.0	70.0	28	31.0	118	13.0	PT	58	10	14	0626	130	576	2.26	100.0	129	12
110.0	80.0	28	11.5	118	53.0	PT	58	10	14	1241	138	556	2.49	100.0	21	20
110.0	90.0	27	52.0	119	32.5	PT	58	10	14	1856	134	562	2.38	100.0	219	6
113.0	30.0	29	23.7	115	23.4	PT	58	10	12	2258	54	284	1.91	100.0	98	41

TABLE 1. (cont.)

CalCOFI Cruise 5810

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	35.0	29 17.8	115 35.3	PT	58 10 12	2041	129	562	2.30	100.0	19	34
113.0	40.0	29 08.0	115 54.0	PT	58 10 12	1716	135	604	2.24	100.0	58	4
113.0	45.0	28 57.0	116 15.5	PT	58 10 12	1316	140	536	2.61	100.0	32	16
113.0	50.0	28 46.0	116 32.5	PT	58 10 12	1016	128	565	2.27	100.0	32	6
113.0	55.0	28 34.5	116 50.5	PT	58 10 12	0536	153	518	2.96	100.0	32	10
113.0	60.0	28 23.0	117 11.0	PT	58 10 12	0216	140	561	2.50	100.0	34	14
113.0	70.0	28 02.5	117 57.0	PT	58 10 11	1906	145	533	2.73	100.0	140	17
113.0	80.0	27 44.0	118 33.5	PT	58 10 11	1311	145	535	2.70	100.0	33	45
113.0	90.0	27 26.5	119 09.0	PT	58 10 11	0727	133	565	2.36	100.0	26	41
117.0	26.0	28 53.2	114 37.8	PT	58 10 09	0348	57	225	2.52	100.0	27	21
117.0	30.0	28 44.5	114 52.7	PT	58 10 09	0632	87	416	2.09	100.0	41	136
117.0	35.0	28 31.6	115 14.2	PT	58 10 09	0936	126	563	2.25	100.0	30	42
117.0	40.0	28 28.3	115 36.0	PT	58 10 09	1616	133	565	2.35	100.0	8	46
117.0	45.0	28 18.9	115 54.9	PT	58 10 09	1916	131	581	2.26	100.0	63	26
117.0	50.0	28 10.5	116 15.0	PT	58 10 09	2316	131	590	2.23	100.0	213	100
117.0	55.0	28 00.8	116 34.5	PT	58 10 10	0206	142	534	2.65	100.0	88	33
117.0	60.0	27 51.5	116 55.5	PT	58 10 10	0646	134	579	2.32	100.0	60	16
117.0	70.0	27 32.5	117 52.5	PT	58 10 10	1251	138	558	2.47	100.0	9	3
117.0	80.0	27 10.5	118 16.0	PT	58 10 10	1956	119	619	1.93	100.0	81	14
117.0	90.0	26 54.0	118 49.5	PT	58 10 11	0131	136	566	2.40	100.0	86	31
118.0	39.0	28 18.3	115 23.0	PT	58 10 09	1236	145	565	2.56	100.0	27	31
119.0	33.0	28 19.0	114 53.0	PT	58 10 10	0913	102	327	3.12	100.0	13	317
120.0	25.0	28 23.0	114 14.5	BD	58 10 10	0329	49	196	2.50	100.0	39	222
120.0	30.0	28 13.0	114 34.0	BD	58 10 10	0623	78	326	2.40	100.0	59	320
120.0	35.0	28 03.0	114 54.0	BD	58 10 10	1144	45	228	1.96	100.0	7	226
120.0	40.0	27 56.5	115 14.0	BD	58 10 10	1428	33	166	1.98	100.0	12	269
120.0	45.0	27 43.0	115 33.0	BD	58 10 10	1706	141	466	3.03	100.0	22	225
120.0	50.0	27 33.0	115 52.5	BD	58 10 10	2031	134	546	2.46	100.0	132	69
120.0	55.0	27 23.2	116 12.5	BD	58 10 10	2356	142	508	2.79	100.0	106	48
120.0	60.0	27 14.7	116 32.8	BD	58 10 11	0246	142	484	2.92	100.0	129	17
120.0	70.0	26 52.5	117 10.0	BD	58 10 11	0816	140	471	2.97	100.0	12	9
120.0	80.0	26 32.5	117 48.5	BD	58 10 11	1351	144	474	3.04	100.0	14	33
120.0	90.0	26 13.0	118 27.5	BD	58 10 11	1951	141	478	2.96	100.0	16	17
123.0	37.0	27 24.0	114 39.7	BD	58 10 14	1348	65	226	2.88	100.0	18	476
123.0	42.0	27 15.0	114 59.9	BD	58 10 13	0526	141	484	2.91	100.0	40	122
123.0	45.0	27 10.0	115 10.0	BD	58 10 13	0346	141	450	3.13	100.0	38	137
123.0	50.0	26 58.0	115 30.5	BD	58 10 13	0016	146	426	3.42	100.0	46	69
123.0	55.0	26 48.2	115 49.7	BD	58 10 12	2116	146	424	3.43	100.0	123	11
123.0	60.0	26 38.5	116 08.0	BD	58 10 12	1716	144	440	3.26	100.0	25	10
123.0	70.0	26 18.5	116 47.0	BD	58 10 12	1101	148	453	3.27	100.0	43	40
123.0	80.0	26 00.0	117 29.0	BD	58 10 12	0346	142	424	3.35	100.0	84	15
127.0	34.0	26 55.3	114 06.0	BD	58 10 14	1858	58	238	2.44	100.0	69	60
127.0	40.0	26 43.5	114 29.5	BD	58 10 14	2236	146	425	3.43	100.0	45	86
127.0	45.0	26 33.5	114 48.7	BD	58 10 15	0201	139	467	2.98	100.0	109	44
127.0	50.0	26 25.0	115 09.0	BD	58 10 15	0456	140	491	2.85	100.0	68	34

TABLE 1. (cont.)

CalCOFI Cruise 5810

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
127.0	55.0	26	13.5	115	27.2	BD	58	10	15	0821	141	483	2.91	100.0	16	35
127.0	70.0	25	45.5	116	23.2	BD	58	10	15	1701	140	493	2.83	100.0	8	37
127.0	80.0	25	23.5	117	02.7	BD	58	10	15	2306	139	485	2.87	100.0	22	14
130.0	30.0	26	29.0	113	29.0	BD	58	10	17	0803	71	260	2.75	100.0	5	326
130.0	35.0	26	21.2	113	48.7	BD	58	10	17	0451	139	494	2.82	100.0	30	5
130.0	40.0	26	14.0	114	03.0	BD	58	10	17	0156	138	517	2.67	100.0	30	8
130.0	45.0	25	59.5	114	27.0	BD	58	10	16	2216	143	444	3.22	100.0	19	24
130.0	50.0	25	49.0	114	46.0	BD	58	10	16	1836	140	512	2.74	100.0	30	53
130.0	55.0	25	38.0	115	03.0	BD	58	10	16	1546	141	500	2.82	100.0	11	39
130.0	60.0	25	26.7	115	24.0	BD	58	10	16	1151	137	524	2.62	100.0	8	13
133.0	25.0	26	04.5	112	48.0	BD	58	10	17	1548	73	282	2.60	100.0	19	297
133.0	30.0	25	54.5	113	07.5	BD	58	10	17	1826	137	518	2.64	100.0	20	40
133.0	35.0	25	45.2	113	23.2	BD	58	10	17	2121	141	511	2.77	100.0	36	24
133.0	40.0	25	34.5	113	45.5	BD	58	10	18	0146	140	457	3.06	100.0	33	29
133.0	45.0	25	24.5	114	04.7	BD	58	10	18	0421	140	476	2.94	100.0	25	64
133.0	50.0	25	14.5	114	24.0	BD	58	10	18	0716	138	481	2.88	100.0	3	44
133.0	55.0	25	05.0	114	42.0	BD	58	10	18	1046	139	523	2.65	100.0	7	71
133.0	60.0	24	56.0	114	59.0	BD	58	10	18	1346	139	507	2.74	100.0	16	50
137.0	23.0	25	34.2	112	18.7	BD	58	10	19	1818	59	264	2.22	100.0	277	193
137.0	30.0	25	20.5	112	45.7	BD	58	10	19	1431	145	487	2.97	100.0	0	0
137.0	35.0	25	13.0	113	04.2	BD	58	10	19	1056	143	520	2.75	100.0	4	12
137.0	40.0	25	03.0	113	22.0	BD	58	10	19	0726	142	509	2.80	100.0	15	18
137.0	45.0	24	50.8	113	42.7	BD	58	10	19	0436	139	476	2.92	100.0	21	11
137.0	50.0	24	40.0	114	01.5	BD	58	10	19	0111	139	520	2.66	100.0	42	24
137.0	55.0	24	30.0	114	20.5	BD	58	10	18	2236	141	516	2.72	100.0	108	34
137.0	60.0	24	20.0	114	38.9	BD	58	10	18	1916	142	501	2.83	100.0	57	17
140.0	30.0	24	45.5	112	24.0	BD	58	10	20	0028	82	344	2.38	100.0	135	324
140.0	35.0	24	36.0	112	43.0	BD	58	10	20	0326	140	522	2.69	100.0	47	15
140.0	40.0	24	25.5	113	02.0	BD	58	10	20	0631	141	522	2.70	100.0	6	15
140.0	45.0	24	16.0	113	21.0	BD	58	10	20	0931	139	526	2.65	100.0	9	6
140.0	50.0	24	05.5	113	39.5	BD	58	10	20	1201	140	555	2.51	100.0	18	9
140.0	55.0	23	47.0	114	07.0	BD	58	10	28	0141	146	484	3.01	100.0	17	11
140.0	60.0	23	37.0	114	25.0	BD	58	10	28	0446	144	481	3.00	100.0	20	24
143.0	26.0	24	19.0	111	48.0	BD	58	10	21	1919	46	225	2.03	100.0	24	170
143.0	30.0	24	11.0	112	03.0	BD	58	10	21	0621	142	514	2.76	100.0	18	7
143.0	35.0	24	01.0	112	22.0	BD	58	10	21	0311	140	533	2.64	100.0	32	5
143.0	40.0	23	51.0	112	40.5	BD	58	10	21	0006	140	529	2.64	100.0	55	23
143.0	50.0	23	31.0	113	18.0	BD	58	10	20	1746	136	585	2.33	100.0	72	13
143.0	55.0	23	19.0	113	40.7	BD	58	10	27	2016	144	506	2.85	100.0	34	26
143.0	60.0	23	07.5	113	55.7	BD	58	10	27	1651	143	507	2.82	100.0	4	15
147.0	20.0	23	56.0	111	03.5	BD	58	10	22	0106	127	466	2.72	100.0	75	32
147.0	25.0	23	46.5	111	22.5	BD	58	10	22	0351	139	529	2.63	100.0	31	54
147.0	30.0	23	36.0	111	41.5	BD	58	10	22	0711	139	498	2.80	100.0	11	4
147.0	35.0	23	26.3	112	00.3	BD	58	10	22	1021	139	524	2.66	100.0	6	23
147.0	40.0	23	16.0	112	19.0	BD	58	10	22	1311	138	525	2.63	100.0	15	49

TABLE 1. (cont.)

CalCOFI Cruise 5810

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
147.0	45.0	23	06.0	112	38.0	BD	58	10	22	1621	145	510	2.85	100.0	27	9
147.0	50.0	22	56.0	112	56.5	BD	58	10	22	1851	139	530	2.62	100.0	65	8
147.0	55.0	22	46.0	113	15.3	BD	58	10	22	2216	137	529	2.59	100.0	31	0
147.0	60.0	22	36.0	113	34.0	BD	58	10	23	0046	139	505	2.75	100.0	24	73
150.0	19.0	23	23.7	110	39.0	BD	58	10	24	1111	140	519	2.71	100.0	14	81
150.0	25.0	23	11.5	111	05.0	BD	58	10	24	0626	144	504	2.87	100.0	56	74
150.0	30.0	23	04.2	111	23.2	BD	58	10	24	0231	141	524	2.68	100.0	47	30
150.0	35.0	22	54.0	111	41.2	BD	58	10	23	2341	144	518	2.78	100.0	50	21
150.0	40.0	22	43.5	111	59.2	BD	58	10	23	1956	139	546	2.54	100.0	95	15
150.0	45.0	22	32.7	112	17.7	BD	58	10	23	1641	141	516	2.73	100.0	12	57
150.0	50.0	22	22.0	112	35.0	BD	58	10	23	1306	144	534	2.69	100.0	16	12
150.0	55.0	22	12.0	112	54.0	BD	58	10	23	1036	141	508	2.77	100.0	11	17
150.0	60.0	22	02.0	113	13.0	BD	58	10	23	0711	142	507	2.80	100.0	6	33
153.0	16.0	22	55.0	110	07.2	BD	58	10	25	0436	148	497	2.99	100.0	43	23
153.0	20.0	22	47.5	110	22.0	BD	58	10	25	0721	147	488	3.01	100.0	7	43
153.0	25.0	22	38.0	110	42.5	BD	58	10	25	1116	139	524	2.66	100.0	16	28
153.0	30.0	22	30.0	111	02.0	BD	58	10	25	1411	144	494	2.91	100.0	9	23
153.0	35.0	22	22.8	111	23.5	BD	58	10	25	1751	137	506	2.70	100.0	8	42
153.0	40.0	22	08.0	111	37.2	BD	58	10	25	2101	142	513	2.76	100.0	20	24
153.0	45.0	21	58.0	111	55.9	BD	58	10	26	0026	146	480	3.03	100.0	32	30
153.0	50.0	21	47.5	112	14.5	BD	58	10	26	0316	145	480	3.02	100.0	23	24
153.0	55.0	21	37.5	112	33.0	BD	58	10	26	0636	141	483	2.93	100.0	9	58
153.0	60.0	21	28.0	112	53.0	BD	58	10	26	0931	146	474	3.08	100.0	12	14
153.0	70.0	21	07.0	113	28.1	BD	58	10	26	1501	143	505	2.84	100.0	4	49
153.0	80.0	20	47.0	114	05.0	BD	58	10	26	2026	141	525	2.68	100.0	43	25

TABLE 1. (cont.)

CalCOFI Cruise 5811

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.7	120	31.5	PT	58	11	21	1835	42	163	2.56	100.0	3	22
80.0	55.0	34	18.8	120	48.5	PT	58	11	21	2121	136	487	2.80	100.0	8	19
80.0	60.0	34	08.8	121	09.0	PT	58	11	22	0126	132	479	2.76	100.0	6	18
82.0	47.0	34	14.7	119	58.5	PT	58	11	21	1406	127	502	2.53	100.0	2	28
83.0	40.0	34	13.6	119	21.8	PT	58	11	21	0835	12	69	1.79	100.0	2	18
83.0	43.0	34	08.0	119	34.1	PT	58	11	21	1056	135	492	2.74	100.0	3	12
83.0	51.0	33	52.0	120	07.5	PT	58	11	22	1417	106	383	2.76	100.0	6	16
83.0	60.0	33	34.0	120	45.0	PT	58	11	22	0711	136	470	2.89	100.0	7	18
87.0	35.0	33	50.7	118	36.8	PT	58	11	21	0211	127	543	2.34	100.0	33	41
87.0	40.0	33	40.0	118	58.8	PT	58	11	23	1126	110	547	2.01	100.0	4	38
87.0	45.0	33	29.8	119	18.3	PT	58	11	23	0811	138	450	3.08	100.0	2	2
87.0	50.0	33	20.2	119	39.5	PT	58	11	23	0523	62	291	2.14	100.0	2	0
87.0	60.0	33	00.0	120	21.5	PT	58	11	22	2231	137	479	2.86	100.0	11	15
90.0	28.0	33	28.3	117	47.0	PT	58	11	20	1931	134	523	2.55	100.0	1	6
90.0	30.0	33	24.5	117	55.0	PT	58	11	20	1831	131	522	2.51	100.0	1	2
90.0	37.0	33	11.2	118	23.8	PT	58	11	20	1316	123	511	2.40	100.0	0	1
90.0	45.0	32	49.7	118	55.7	PT	58	11	20	0636	137	478	2.86	100.0	1	2
90.0	50.0	32	43.2	119	15.8	PT	58	11	20	0237	88	407	2.17	100.0	4	1
90.0	55.0	32	34.7	119	37.0	PT	58	11	19	2331	135	418	3.24	100.0	1	2
90.0	60.0	32	25.3	119	57.0	PT	58	11	19	1936	134	477	2.82	100.0	2	0
90.0	70.0	31	53.6	120	29.3	PT	58	11	19	1221	144	494	2.91	100.0	0	5
90.0	80.0	31	35.6	121	09.0	PT	58	11	19	0556	137	465	2.94	100.0	12	4
93.0	27.0	32	54.5	117	21.2	PT	58	11	17	1203	118	532	2.23	100.0	1	12
93.0	30.0	32	49.2	117	30.7	PT	58	11	17	1431	119	526	2.25	100.0	3	5
93.0	35.0	32	39.5	117	51.7	PT	58	11	17	1826	131	501	2.60	100.0	2	1
93.0	40.0	32	30.0	118	12.5	PT	58	11	17	2216	131	524	2.50	100.0	3	2
93.0	50.0	32	09.1	118	56.7	PT	58	11	18	0506	136	485	2.80	100.0	1	6
93.0	60.0	31	50.4	119	33.8	PT	58	11	18	1056	133	406	3.27	100.0	0	0
93.0	70.0	31	30.7	120	13.2	PT	58	11	18	1716	147	464	3.17	100.0	9	45
93.0	80.0	31	05.8	120	51.0	PT	58	11	18	2321	140	495	2.82	100.0	58	45
97.0	30.0	32	15.5	117	08.8	PT	58	11	14	2011	50	184	2.69	100.0	0	22
97.0	32.0	32	11.8	117	16.2	PT	58	11	14	1841	117	506	2.32	100.0	1	0
97.0	35.0	32	06.2	117	28.8	PT	58	11	14	1641	135	498	2.71	100.0	2	1
97.0	40.0	31	54.0	117	48.6	PT	58	11	14	1334	126	506	2.49	100.0	2	0
97.0	50.0	31	34.0	118	25.7	PT	58	11	14	0816	126	544	2.31	100.0	27	0
97.0	60.0	31	17.0	119	06.0	PT	58	11	14	0316	135	504	2.68	100.0	75	1
100.0	29.0	31	42.2	116	44.3	PT	58	11	13	0036	125	527	2.37	100.0	2	5
100.0	30.0	31	41.5	116	46.7	PT	58	11	13	0136	125	573	2.18	100.0	2	16
100.0	35.0	31	31.6	117	05.5	PT	58	11	13	0506	136	506	2.69	100.0	0	0
100.0	40.0	31	22.2	117	23.3	PT	58	11	13	0846	140	484	2.90	100.0	0	24
100.0	50.0	31	01.2	118	06.1	PT	58	11	13	1436	127	498	2.56	100.0	2	13
100.0	60.0	30	42.2	118	43.7	PT	58	11	13	2045	138	481	2.86	100.0	59	20

TABLE 1. (cont.)

CalCOFI Cruise 5812

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.6	120	31.6	OR	58	12	09	0347	71	292	2.42	100.0	59	177
80.0	55.0	34	17.2	120	48.0	OR	58	12	09	0710	138	563	2.44	100.0	67	48
80.0	60.0	34	05.8	121	08.0	OR	58	12	09	1116	131	493	2.66	100.0	10	11
80.0	70.0	33	47.3	121	46.8	OR	58	12	09	1731	138	545	2.53	100.0	6	5
80.0	80.0	33	27.5	122	30.2	OR	58	12	09	2356	137	536	2.55	100.0	4	2
82.0	47.0	34	14.5	119	57.8	OR	58	12	08	2341	103	575	1.79	100.0	237	1303
83.0	40.0	34	12.0	119	21.5	OR	58	12	08	1954	14	110	1.32	100.0	9	44
83.0	43.0	34	07.2	119	35.2	OR	58	12	08	1751	140	498	2.81	100.0	18	78
83.0	51.0	33	51.8	120	07.5	OR	58	12	08	1307	99	383	2.59	100.0	7	42
83.0	55.0	33	44.0	120	24.5	OR	58	12	08	1036	132	496	2.65	100.0	0	4
83.0	60.0	33	33.4	120	45.9	OR	58	12	08	0736	138	509	2.71	100.0	9	37
87.0	35.0	33	50.0	118	37.0	OR	58	12	07	1051	129	515	2.50	100.0	2	108
87.0	40.0	33	39.2	118	57.2	OR	58	12	07	1356	135	492	2.74	100.0	6	183
87.0	45.0	33	28.5	119	20.0	OR	58	12	07	1626	141	497	2.84	100.0	9	72
87.0	50.0	33	20.4	119	40.0	OR	58	12	07	1912	57	214	2.65	100.0	7	10
87.0	55.0	33	09.2	120	00.2	OR	58	12	07	2141	133	500	2.66	100.0	0	0
87.0	60.0	33	00.0	120	21.5	OR	58	12	08	0126	137	476	2.88	100.0	22	0
90.0	28.0	33	28.4	117	46.7	OR	58	12	11	0431	140	506	2.78	100.0	1	11
90.0	37.0	33	09.2	118	25.0	OR	58	12	07	0546	142	484	2.93	100.0	2	5
90.0	45.0	32	51.5	118	53.5	OR	58	12	07	0016	135	492	2.74	100.0	6	1
90.0	50.0	32	40.5	119	13.3	OR	58	12	06	2058	132	523	2.52	100.0	1	2
90.0	55.0	32	32.5	119	31.0	OR	58	12	06	1830	142	495	2.87	100.0	2	20
90.0	60.0	32	23.5	119	54.8	OR	58	12	06	1511	134	512	2.62	100.0	0	4
90.0	70.0	32	04.0	120	33.5	OR	58	12	06	1006	132	515	2.55	100.0	10	45
90.0	80.0	31	45.0	121	14.0	OR	58	12	06	0434	141	494	2.85	100.0	15	63
93.0	27.0	32	54.5	117	22.0	OR	58	12	04	1313	128	518	2.48	100.0	0	3
93.0	30.0	32	50.0	117	31.0	OR	58	12	04	1531	132	492	2.68	100.0	1	9
93.0	35.0	32	39.7	117	51.5	OR	58	12	04	1851	141	488	2.89	100.0	0	1
93.0	40.0	32	29.1	118	11.5	OR	58	12	04	2239	131	509	2.57	100.0	2	2
93.0	50.0	32	08.2	118	51.5	OR	58	12	05	0540	141	496	2.85	100.0	1	6
93.0	60.0	31	45.8	119	31.5	OR	58	12	05	1126	132	507	2.60	100.0	3	8
93.0	70.0	31	30.0	120	15.0	OR	58	12	05	1716	136	505	2.69	100.0	31	10
93.0	80.0	31	10.5	120	53.0	OR	58	12	05	2246	129	523	2.46	100.0	57	37
97.0	30.0	32	14.2	117	08.0	OR	58	12	03	1338	54	221	2.43	100.0	0	4
97.0	32.0	32	10.8	117	16.0	OR	58	12	03	1211	128	517	2.48	100.0	0	4
97.0	35.0	32	05.0	117	27.5	OR	58	12	03	1016	131	526	2.49	100.0	2	5
97.0	40.0	32	00.0	117	51.2	OR	58	12	03	0741	140	489	2.87	100.0	1	0
97.0	50.0	31	37.0	118	32.0	OR	58	12	03	0211	130	544	2.39	100.0	0	2
97.0	60.0	31	16.5	119	08.5	OR	58	12	02	2125	134	496	2.69	100.0	35	15
100.0	29.0	31	41.8	116	43.8	OR	58	12	01	2146	128	543	2.36	100.0	0	0
100.0	30.0	31	40.8	116	46.5	OR	58	12	01	2251	125	527	2.37	100.0	0	3
100.0	35.0	31	29.0	117	07.5	OR	58	12	02	0146	139	503	2.77	100.0	5	2
100.0	40.0	31	18.0	117	28.5	OR	58	12	02	0436	142	512	2.77	100.0	3	3
100.0	50.0	30	54.2	118	11.0	OR	58	12	02	1036	131	533	2.47	100.0	1	0
100.0	60.0	30	41.5	118	45.0	OR	58	12	02	1521	135	507	2.66	100.0	0	2

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1958.

Rank	Taxon	Occurrences
1	*Vinciguerria lucetia*	882
2	*Engraulis mordax*	785
3	*Triphoturus mexicanus*	768
4	*Sebastes* spp.	665
5	*Merluccius productus*	541
6	*Lampanyctus ritteri*	416
6	*Diogenichthys laternatus*	416
8	*Bathylagus wesethi*	377
9	*Stenobrachius leucopsarus*	361
10	*Protomyctophum crockeri*	360
11	*Leuroglossus stilbius*	350
12	*Trachurus symmetricus*	328
13	*Cyclothone* spp.	317
14	Disintegrated fish larva	258
15	*Melamphaes* spp.	238
16	*Bathylagus ochotensis*	237
17	*Symbolophorus californiensis*	216
18	*Sardinops sagax*	193
19	*Stomias atriventer*	182
20	Unidentified fish larva	181
21	Myctophidae	174
22	*Ceratoscopelus townsendi*	159
23	Paralepididae	145
24	*Citharichthys stigmaeus*	136
25	*Diogenichthys atlanticus*	126
25	*Gonichthys tenuiculus*	126
27	*Lampanyctus* spp.	121
28	*Citharichthys* spp.	118
29	*Citharichthys fragilis*	101
30	*Hygophum atratum*	96
31	*Tarletonbeania crenularis*	90
31	*Diaphus* spp.	90
33	Sternoptychidae	86
34	Gobiidae	84
35	Labridae	82
36	*Scomber japonicus*	81
37	*Citharichthys xanthostigma*	80
38	*Icichthys lockingtoni*	79
39	Sciaenidae	76
40	*Chauliodus macouni*	75
41	*Citharichthys sordidus*	69
42	*Parophrys vetulus*	62
43	Ophidiiformes	61
44	Chiasmodontidae	59
45	*Myctophum nitidulum*	56
46	*Synodus* spp.	53
47	*Hypsoblennius* spp.	51
48	*Lyopsetta exilis*	50

TABLE 2. (cont.)

Rank	Taxon	Occurrences
48	Scopelarchidae	50
50	*Nansenia crassa*	49
51	*Paralichthys californicus*	48
52	*Hygophum* spp.	47
53	*Etrumeus acuminatus*	45
54	*Lampadena urophaos*	44
55	*Symphurus* spp.	40
56	*Ichthyococcus* spp.	37
57	Anguilliformes	36
58	*Diogenichthys* spp.	35
59	*Microstoma microstoma*	34
60	*Hippoglossina stomata*	33
60	*Idiacanthus antrostomus*	33
62	Trachipteridae	31
62	*Argentina sialis*	31
62	Serranidae	31
65	*Lampanyctus regalis*	28
65	*Diplophos taenia*	28
65	*Cololabis saira*	28
68	*Scopelogadus bispinosus*	27
69	*Peprilus simillimus*	26
70	*Prionotus* spp.	25
71	Trichiuridae	24
71	*Bathylagus pacificus*	24
71	*Notoscopelus resplendens*	24
74	Cottidae	20
74	Clinidae	20
74	*Microstomus pacificus*	20
77	*Tetragonurus cuvieri*	17
77	*Nansenia candida*	17
79	*Chromis punctipinnis*	16
79	Ceratioidei	16
79	*Brosmophycis marginata*	16
79	*Etropus* spp.	16
83	*Ophidion scrippsae*	15
83	*Sphyraena argentea*	15
83	Carangidae	15
86	*Glyptocephalus zachirus*	14
87	*Pleuronichthys* spp.	13
87	*Myctophum aurolaternatum*	13
87	*Coryphaena hippurus*	13
87	*Bathylagus* spp.	13
91	*Oxylebius pictus*	12
92	*Aristostomias scintillans*	11
92	Pleuronectiformes	11
92	Agonidae	11
92	*Bregmaceros* spp.	11
96	Stomiiformes	9
96	*Scorpaena* spp.	9

TABLE 2. (cont.)

Rank	Taxon	Occurrences
96	Pomacentridae	9
99	*Bothus* spp.	8
99	*Loweina rara*	8
99	*Syacium ovale*	8
99	*Thunnus albacares*	8
103	*Seriola lalandi*	7
103	Macrouridae	7
103	*Pleuronichthys verticalis*	7
106	Gempylidae	6
106	Haemulidae	6
106	*Hygophum reinhardtii*	6
106	*Zaniolepis* spp.	6
106	*Scorpaenichthys marmoratus*	6
111	*Psettichthys melanostictus*	5
111	*Pleuronichthys coenosus*	5
111	*Brama* spp.	5
111	Gerreidae	5
111	*Physiculus* spp.	5
116	*Poromitra* spp.	4
116	Cyclopteridae	4
116	Scombridae	4
116	*Opisthonema* spp.	4
116	*Girella nigricans*	4
116	Carapidae	4
116	*Pleuronichthys decurrens*	4
116	*Bathophilus* spp.	4
124	*Hypsopsetta guttulata*	3
124	Apogonidae	3
124	*Ophiodon elongatus*	3
124	*Auxis* spp.	3
124	*Scopelosaurus* spp.	3
124	*Scomberomorus* spp.	3
124	*Pleuronichthys ritteri*	3
131	Hexagrammidae	2
131	*Sarda chiliensis*	2
131	*Xystreurys liolepis*	2
131	*Tactostoma macropus*	2
131	*Syngnathus* spp.	2
131	Nomeidae	2
131	Engraulidae	2
131	*Sebastolobus* spp.	2
131	*Medialuna californiensis*	2
131	*Caulolatilus princeps*	2
131	Atherinidae	2
142	Exocoetidae	1
142	Balistidae	1
142	Hemiramphidae	1
142	*Bathylagus milleri*	1
142	*Paralichthys* spp.	1

TABLE 2. (cont.)

Rank	Taxon	Occurrences
142	Uranoscopidae	1
142	Gobiesocidae	1
142	***Isopsetta isolepis***	1
142	Fistulariidae	1
142	***Notolychnus valdiviae***	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1958. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	204848
2	*Vinciguerria lucetia*	58461
3	*Merluccius productus*	58261
4	*Sebastes* spp.	23645
5	*Triphoturus mexicanus*	16679
6	*Stenobrachius leucopsarus*	11829
7	*Sardinops sagax*	11393
8	*Bathylagus wesethi*	7011
9	*Diogenichthys laternatus*	7010
10	*Trachurus symmetricus*	6443
11	*Leuroglossus stilbius*	4844
12	*Lampanyctus ritteri*	3129
13	*Citharichthys fragilis*	3046
14	*Cyclothone* spp.	2925
15	*Protomyctophum crockeri*	1824
16	Sciaenidae	1772
17	*Bathylagus ochotensis*	1569
18	*Citharichthys* spp.	1536
19	*Ceratoscopelus townsendi*	1446
20	*Scomber japonicus*	1341
21	*Prionotus* spp.	1307
22	*Symbolophorus californiensis*	1299
23	*Synodus* spp.	1225
24	*Stomias atriventer*	1206
25	*Melamphaes* spp.	1155
26	Disintegrated fish larva	1118
27	Unidentified fish larva	1075
28	Myctophidae	899
29	*Lampanyctus* spp.	865
30	*Citharichthys stigmaeus*	864
31	*Diaphus* spp.	816
32	*Citharichthys xanthostigma*	763
33	*Gonichthys tenuiculus*	733
34	*Hygophum atratum*	692
35	Paralepididae	686
36	*Diogenichthys atlanticus*	641
37	*Etrumeus acuminatus*	574
38	Ophidiiformes	564
39	Labridae	526
40	*Tarletonbeania crenularis*	525
41	*Icichthys lockingtoni*	425
42	*Paralichthys californicus*	406
43	Gobiidae	404
44	Serranidae	382
45	*Lampadena urophaos*	373
46	*Citharichthys sordidus*	341
47	Sternoptychidae	327

TABLE 3. (cont.)

Rank	Taxon	Count
48	*Parophrys vetulus*	323
49	*Chauliodus macouni*	288
49	*Symphurus* spp.	288
51	Chiasmodontidae	280
52	*Argentina sialis*	273
53	*Lyopsetta exilis*	272
54	*Hygophum* spp.	262
55	*Hypsoblennius* spp.	251
56	Anguilliformes	245
57	*Myctophum nitidulum*	230
58	*Opisthonema* spp.	227
59	*Myctophum aurolaternatum*	225
60	*Nansenia crassa*	224
61	*Diplophos taenia*	221
62	*Bregmaceros* spp.	218
63	Scopelarchidae	175
64	*Diogenichthys* spp.	151
65	*Idiacanthus antrostomus*	150
66	*Ichthyococcus* spp.	139
67	Clinidae	138
68	*Ophidion scrippsae*	119
69	*Peprilus simillimus*	115
70	*Bathylagus pacificus*	114
71	*Notoscopelus resplendens*	113
72	*Hippoglossina stomata*	112
73	*Scopelogadus bispinosus*	111
74	Trachipteridae	107
75	*Microstoma microstoma*	101
76	Trichiuridae	97
76	*Lampanyctus regalis*	97
78	*Cololabis saira*	96
79	*Chromis punctipinnis*	91
80	*Glyptocephalus zachirus*	89
80	Carangidae	89
82	Cottidae	88
83	*Microstomus pacificus*	87
84	*Nansenia candida*	83
85	*Sphyraena argentea*	78
86	Pleuronectiformes	77
87	*Etropus* spp.	74
88	*Tetragonurus cuvieri*	66
89	Haemulidae	64
90	*Bathylagus* spp.	62
91	Pomacentridae	59
91	*Brosmophycis marginata*	59
93	Ceratioidei	50
94	*Pleuronichthys* spp.	49
95	*Coryphaena hippurus*	47

TABLE 3. (cont.)

Rank	Taxon	Count
96	*Seriola lalandi*	43
97	*Psettichthys melanostictus*	41
98	*Oxylebius pictus*	40
99	*Thunnus albacares*	39
100	Stomiiformes	38
101	*Aristostomias scintillans*	36
102	*Scorpaena* spp.	34
103	Agonidae	32
104	Gerreidae	30
105	*Syacium ovale*	29
106	*Scorpaenichthys marmoratus*	28
107	*Bothus* spp.	25
108	*Pleuronichthys verticalis*	24
108	*Tactostoma macropus*	24
110	*Scomberomorus* spp.	23
111	*Loweina rara*	22
112	Macrouridae	21
113	Gempylidae	19
114	Scombridae	18
114	*Zaniolepis* spp.	18
114	*Auxis* spp.	18
117	Exocoetidae	16
117	*Hygophum reinhardtii*	16
119	Cyclopteridae	15
120	*Physiculus* spp.	14
120	*Poromitra* spp.	14
120	*Sarda chiliensis*	14
120	*Pleuronichthys coenosus*	14
120	*Bathophilus* spp.	14
120	Apogonidae	14
120	*Brama* spp.	14
127	*Pleuronichthys decurrens*	13
128	Carapidae	12
128	Engraulidae	12
130	Hexagrammidae	11
131	*Pleuronichthys ritteri*	10
132	Nomeidae	9
132	*Girella nigricans*	9
132	*Hypsopsetta guttulata*	9
132	*Ophiodon elongatus*	9
136	Uranoscopidae	8
136	*Scopelosaurus* spp.	8
138	*Medialuna californiensis*	7
138	*Caulolatilus princeps*	7
140	*Sebastolobus* spp.	6
140	*Syngnathus* spp.	6
142	*Xystreurys liolepis*	5
142	Gobiesocidae	5

TABLE 3. (cont.)

Rank	Taxon	Count
142	*Paralichthys* spp.	5
145	Atherinidae	3
145	Fistulariidae	3
145	Balistidae	3
145	*Bathylagus milleri*	3
149	*Notolychnus valdiviae*	2
149	*Isopsetta isolepis*	2
149	Hemiramphidae	2
	Total	457093

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1958. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied more than once during a calendar month. Unoccupied stations are indicated by a dash.

Anguilliformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	29.0	–	–	–	0.0	0.0	0.0	–	–	–	0.0	2.4	0.0
113.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–
120.0	45.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	45.0	–	–	–	0.0	–	–	3.2	0.0	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	–	–
130.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
133.0	35.0	–	0.0	3.7	–	0.0	0.0	0.0	–	–	8.3	–	–
137.0	23.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	20.9	64.4	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	14.3	–	–
140.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
140.0	40.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
140.0	45.0	–	–	–	–	–	–	–	–	–	2.7	–	–
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	2.0	–	–
143.0	50.0	2.9	–	–	–	–	–	–	–	–	0.0	–	–
143.0	60.0	2.7	–	–	–	–	–	–	–	–	0.0	–	–
147.0	20.0	0.0	0.0	3.6	–	–	–	–	–	–	16.3	–	–
147.0	25.0	5.4	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	40.0	4.4	6.4	0.0	–	–	–	–	–	–	0.0	–	–
150.0	19.0	0.0	0.0	2.8	–	–	–	–	–	–	0.0	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	2.9	–	–
150.0	40.0	0.0	11.7	0.0	–	–	–	–	–	–	5.1	–	–
153.0	16.0	2.7	–	–	–	–	–	–	–	–	3.0	–	–
153.0	20.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–
153.0	35.0	–	–	–	–	–	–	–	–	–	5.4	–	–
153.0	50.0	4.3	–	–	–	–	–	–	–	–	0.0	–	–
157.0	10.0	6.6	–	–	–	–	–	–	–	–	–	–	–
157.0	20.0	7.6	–	–	–	–	–	–	–	–	–	–	–

Etrumeus acuminatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	–	–
118.5	35.0	–	–	–	–	–	–	–	0.0	5.3	–	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	–	–
120.0	25.0	–	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	12.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	2.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	100.1	–	7.9	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	3.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	–	–

TABLE 4. (cont.)

Etrumeus acuminatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	34.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.8	7.3	–	–
130.0	30.0	11.2	10.0	9.1	0.0	0.0	0.0	0.0	24.8	0.0	0.0	–	–
130.0	35.0	3.2	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	3.5	2.6	–	–
133.0	30.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–
133.0	35.0	–	7.2	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
137.0	23.0	21.8	28.6	0.0	0.0	0.0	1.9	0.0	0.0	0.0	4.4	–	–
140.0	30.0	2.7	11.7	0.0	–	–	–	–	–	–	0.0	–	–
140.0	35.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	26.0	4.0	2.2	0.0	–	–	–	–	–	–	0.0	–	–
143.0	30.0	3.1	0.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	40.0	0.0	0.0	3.0	–	–	–	–	–	–	0.0	–	–
147.0	20.0	125.2	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	25.0	0.0	2.4	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–
150.0	19.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	25.0	10.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Opisthonema spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	106.2	0.0	0.0	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.4	–	–

Sardinops sagax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	60.0	–	–	0.0	0.0	10.3	0.0	0.0	–	–	0.0	–	–
77.0	55.0	0.0	0.0	–	0.0	2.7	0.0	0.0	–	–	0.0	–	–
80.0	51.0	0.0	38.3	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0
80.0	55.0	0.0	202.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
82.0	47.0	5.2	356.4	83.4	3.0	8.5	0.0	0.0	–	–	0.0	0.0	0.0
83.0	40.0	–	96.2	4.8	0.0	21.4	0.0	13.5	–	–	0.0	0.0	0.0
83.0	43.0	0.0	14.0	36.1	5.5	21.2	0.0	81.9	–	–	0.0	0.0	0.0
83.0	51.0	0.0	34.7	0.0	20.8	5.1	0.0	6.5	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	6.0	0.0	4.9	0.0	0.0	–	–	0.0	–	0.0
83.0	90.0	–	–	–	–	5.7	0.0	0.0	–	–	0.0	–	–
87.0	35.0	9.5	0.0	0.0	27.0	0.0	0.0	6.0	–	–	0.0	0.0	0.0
87.0	40.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	0.0	0.0
87.0	50.0	–	–	0.0	0.0	0.0	0.0	36.0	–	–	0.0	0.0	0.0
87.0	55.0	–	0.0	0.0	0.0	0.0	0.0	7.0	–	–	0.0	–	0.0
87.0	60.0	–	0.0	0.0	0.0	3.5	0.0	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	-	0.0	6.5	3.2	34.6	3.0	0.0	-	7.8	2.4	0.0	0.0
90.0	30.0	-	0.0	42.8	0.0	89.8	12.6	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	12.4	0.0	12.4	-	0.0	0.0	0.0	0.0
90.0	45.0	-	0.0	0.0	2.7	16.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	24.2	-	32.9	12.3	3.3	-	0.0	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	41.7	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	0.0	3.3	-	0.0	0.0	0.0	0.0
90.0	70.0	-	0.0	0.0	0.0	10.6	0.0	-	-	0.0	0.0	0.0	0.0
93.0	27.0	3.0	48.8	2.9	5.8	0.0	2.7	0.0	-	0.0	0.0	0.0	0.0
93.0	30.0	0.0	0.0	3.5	0.0	2.8	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	0.0	0.0	-	0.0	3.4	16.6	-	0.0	0.0	-	-
93.0	50.0	0.0	0.0	0.0	3.2	0.0	57.6	6.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	0.0	27.1	6.0	149.4	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	32.3	90.0	-	0.0	0.0	0.0	0.0
93.0	70.0	0.0	-	0.0	0.0	0.0	0.0	3.2	-	0.0	0.0	0.0	0.0
97.0	30.0	-	0.0	2.6	12.6	2.6	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	0.0	10.1	15.3	0.0	-	0.0	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	17.5	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	0.0	0.0	205.6	0.0	0.0	0.0	-	-	0.0	-	-
97.0	55.0	-	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	0.0	0.0	27.6	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-	0.0	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	0.0	2.7	-	-	0.0	-	-
103.0	30.0	0.0	0.0	71.5	8.5	0.0	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	20.6	54.7	0.0	0.0	5.0	-	-	0.0	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
107.0	32.0	0.0	0.0	37.1	9.1	-	0.0	0.0	-	-	0.0	-	-
107.0	35.0	0.0	0.0	15.3	4.6	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	7.1	3.3	0.0	0.0	-	-	0.0	-	-
110.0	33.0	6.3	0.0	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	55.0	-	-	-	0.0	3.7	0.0	0.0	-	-	0.0	-	-
113.0	30.0	8.6	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	3.8	-	-
113.0	45.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	-	-	0.0	-	-
117.0	26.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	-	-
117.0	35.0	0.0	175.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	-	-
117.0	40.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.0	39.0	0.0	386.3	25.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	3.1	3.0	-	-	-
118.5	30.0	-	-	-	-	-	-	-	12.4	22.7	-	-	-

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
118.5	35.0	–	–	–	–	–	–	–	23.5	89.4	–	–	–
119.0	33.0	111.7	0.0	0.0	0.0	0.0	3.1	0.0	0.0	162.0	0.0	–	–
120.0	25.0	–	1002.6	67.8	0.0	0.0	1.5	5.0	0.0	–	10.0	–	–
120.0	30.0	–	462.6	31.6	11.2	0.0	0.0	2.9	0.0	1502.3	14.4	–	–
120.0	35.0	35.0	62.9	11.4	0.0	0.0	0.0	9.9	0.0	468.5	2.0	–	–
120.0	40.0	–	84.4	28.0	14.1	0.0	1.9	0.0	1354.7	–	2.0	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	75.2	0.0	0.0	–	–
120.0	50.0	0.0	0.0	47.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	70.0	0.0	0.0	0.0	121.8	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	14.0	0.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	42.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
123.0	50.0	0.0	0.0	54.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	60.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	–	–	0.0	–	–
127.0	34.0	3.3	0.0	2.8	3.0	0.0	0.0	0.0	3.2	2.8	2.4	–	–
127.0	40.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	45.0	–	0.0	3.0	–	0.0	–	0.0	0.0	0.0	0.0	–	–
127.0	60.0	0.0	0.0	0.0	3.1	0.0	–	0.0	–	–	–	–	–
130.0	30.0	184.1	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	35.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	240.8	58.1	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	556.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	3.4	200.5	14.3	0.0	0.0	48.5	0.0	0.0	0.0	0.0	–	–
137.0	30.0	0.0	38.3	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
140.0	30.0	16.4	0.0	0.0	–	–	–	–	–	–	0.0	–	–
140.0	35.0	0.0	6.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	26.0	2.0	0.0	26.6	–	–	–	–	–	–	0.0	–	–
147.0	20.0	563.2	3.1	0.0	–	–	–	–	–	–	0.0	–	–
147.0	25.0	0.0	2.4	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–
150.0	19.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	25.0	59.3	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	30.0	6.8	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Engraulidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	20.0	6.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	6.3	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Engraulis mordax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	55.0	–	–	–	–	–	–	3.3	–	–	–	–	–
47.0	50.0	–	–	6.0	–	–	–	0.0	–	–	–	–	–

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0	52.0	-	-	-	-	-	0.0	3.8	-	-	-	-	-
57.0	55.0	-	-	-	-	-	0.0	28.1	-	-	-	-	-
57.0	60.0	-	-	-	-	-	0.0	36.0	-	-	-	-	-
60.0	52.0	-	-	-	0.0	0.0	0.0	12.0	-	-	-	2.5	-
60.0	55.0	0.0	-	-	0.0	0.0	0.0	8.7	-	-	-	0.0	-
60.0	60.0	-	-	-	37.1	3.3	0.0	18.4	-	-	-	0.0	-
60.0	65.0	-	-	-	4.3	-	-	12.3	-	-	-	-	-
60.0	70.0	-	-	-	0.0	0.0	6.1	88.0	-	-	-	0.0	-
63.0	52.0	165.6	-	-	8.7	3.2	0.0	0.0	-	-	0.0	-	-
63.0	55.0	-	-	-	-	2.7	-	0.0	-	-	0.0	-	-
63.0	60.0	5.9	-	-	-	0.0	109.8	0.0	-	-	0.0	-	-
63.0	70.0	-	-	-	-	0.0	0.0	10.4	-	-	0.0	-	-
67.0	50.0	-	-	-	3.2	0.0	0.0	0.0	-	-	0.0	-	-
67.0	55.0	27.9	-	-	17.3	0.0	43.0	8.0	-	-	0.0	-	-
67.0	60.0	0.0	-	-	0.0	3.1	343.4	13.0	-	-	0.0	-	-
67.0	70.0	-	-	-	0.0	13.8	0.0	0.0	-	-	0.0	-	-
67.0	80.0	-	-	-	3.3	0.0	0.0	0.0	-	-	0.0	-	-
70.0	52.0	-	-	69.2	39.9	43.7	6.0	54.0	-	-	-	-	-
70.0	55.0	-	-	-	5.6	6.0	224.6	2.5	-	-	14.9	-	-
70.0	60.0	-	-	12.7	84.3	13.8	0.0	0.0	-	-	0.0	-	-
70.0	70.0	0.0	-	674.0	6.6	14.8	0.0	22.3	-	-	3.0	-	-
70.0	75.0	-	-	-	0.0	-	-	148.5	-	-	-	-	-
70.0	80.0	0.0	-	70.8	0.0	0.0	0.0	124.6	-	-	0.0	-	-
70.0	85.0	-	-	-	0.0	-	-	6.0	-	-	-	-	-
73.0	51.0	-	-	-	16.4	2.6	17.6	601.1	-	-	0.0	-	-
73.0	55.0	278.0	-	428.4	0.0	12.6	8.5	166.3	-	-	0.0	-	-
73.0	60.0	34.7	-	-	0.0	0.0	0.0	47.9	-	-	0.0	-	-
73.0	65.0	-	-	-	3.3	-	-	2.9	-	-	2.8	-	-
73.0	70.0	-	-	-	0.0	76.0	0.0	13.9	-	-	0.0	-	-
73.0	75.0	-	-	-	2.7	-	-	137.3	-	-	-	-	-
73.0	80.0	-	-	-	2.2	0.0	0.0	3.0	-	-	0.0	-	-
73.0	90.0	-	-	3.5	0.0	0.0	0.0	-	-	-	-	0.0	-
77.0	50.0	-	-	-	25.3	23.8	15.8	42.7	-	-	0.0	-	-
77.0	55.0	86.2	34.3	-	13.4	64.8	102.2	6.5	-	-	9.8	-	-
77.0	60.0	1917.7	13.4	-	400.5	95.6	68.1	104.8	-	-	0.0	-	-
77.0	65.0	-	-	-	18.8	-	-	165.8	-	-	-	-	-
77.0	70.0	-	-	-	8.3	9.1	11.7	28.3	-	-	0.0	-	-
77.0	75.0	-	-	-	6.0	-	-	7.6	-	-	-	-	-
77.0	90.0	-	-	44.8	0.0	0.0	0.0	0.0	-	-	-	0.0	-
80.0	51.0	575.9	1323.0	588.6	5.4	144.7	8.3	2.5	-	-	18.5	2.6	87.1
80.0	55.0	114.2	2409.2	468.0	132.4	15.3	23.0	164.9	-	-	0.0	2.8	85.4
80.0	60.0	182.7	692.3	235.3	199.0	15.0	0.0	298.4	-	-	0.0	5.5	10.6
80.0	65.0	-	-	-	117.0	-	-	16.4	-	-	-	-	-
80.0	70.0	184.8	431.7	0.0	24.2	3.1	0.0	130.4	-	-	0.0	-	0.0
80.0	75.0	-	-	-	6.0	-	-	9.0	-	-	-	-	-
80.0	80.0	0.0	6.5	0.0	3.0	49.5	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	-	2.7	0.0	0.0	9.1	0.0	0.0	-	-	0.0	-	-
82.0	47.0	535.6	1389.2	64.9	775.2	545.3	16.1	12.6	-	-	8.3	2.5	388.4
83.0	40.0	-	436.8	265.6	518.0	204.7	5.5	137.7	-	-	6.2	3.6	0.0
83.0	43.0	588.5	892.5	1607.3	3094.1	764.5	22.1	378.0	-	-	11.5	2.7	2.8
83.0	51.0	159.8	610.0	166.3	1148.2	92.2	83.4	81.5	-	-	0.0	0.0	10.4
83.0	55.0	282.1	-	748.0	176.2	328.1	50.2	53.6	-	-	0.0	-	0.0
83.0	60.0	54.5	-	1241.7	55.4	99.5	62.7	3.2	-	-	0.0	11.6	8.1
83.0	65.0	-	-	-	0.0	93.2	0.0	0.0	-	-	-	-	-
83.0	70.0	130.7	-	0.0	0.0	259.3	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	7.0	7.6	0.0	0.0	-	-	-	-	-
83.0	80.0	-	-	7.3	16.5	0.0	0.0	0.0	-	-	0.0	-	-
87.0	35.0	433.7	669.4	159.8	496.9	686.3	93.7	0.0	-	-	123.9	30.4	0.0
87.0	40.0	157.5	277.7	915.2	1647.8	4285.8	580.0	3.7	-	-	0.0	2.0	0.0
87.0	45.0	94.8	1108.8	459.3	1042.1	261.2	265.7	2.9	-	-	0.0	0.0	0.0
87.0	50.0	-	-	435.7	127.9	186.2	73.8	794.1	-	-	0.0	0.0	0.0
87.0	55.0	-	287.1	113.2	122.2	430.7	20.5	721.4	-	-	0.0	-	0.0
87.0	60.0	-	90.2	10.6	55.5	107.3	0.0	36.4	-	-	0.0	2.9	0.0
87.0	65.0	-	-	-	95.7	69.7	0.0	11.8	-	-	-	-	-
87.0	70.0	-	0.0	33.0	3.7	34.6	3.1	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	2.9	48.8	0.0	0.0	-	-	-	-	-
87.0	80.0	-	0.0	8.2	2.8	513.4	0.0	0.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	55.6	0.0	0.0	-	-	-	-	-
90.0	28.0	-	1425.7	419.3	355.2	423.4	100.7	207.9	-	32.6	0.0	0.0	0.0
90.0	30.0	-	154.8	521.2	1255.5	324.7	148.5	158.1	-	8.4	24.7	0.0	-
90.0	37.0	-	-	225.7	313.3	1131.5	376.4	132.9	-	0.0	2.9	0.0	0.0
90.0	45.0	-	58.2	152.3	243.8	73.4	343.8	408.9	-	0.0	0.0	2.9	0.0
90.0	50.0	-	109.6	391.9	-	243.9	37.0	300.8	-	1.3	0.0	0.0	0.0
90.0	55.0	-	1044.9	899.2	654.5	72.2	3.0	730.1	-	0.0	0.0	0.0	0.0
90.0	60.0	-	22.4	434.2	344.0	116.3	3.0	269.8	-	0.0	0.0	0.0	0.0
90.0	65.0	-	-	-	5.9	315.2	0.0	88.8	-	0.0	-	-	-
90.0	70.0	-	13.0	27.5	325.4	1077.3	0.0	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	234.3	261.4	0.0	0.0	-	-	-	-	-
90.0	80.0	-	4.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	90.0	-	1.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
93.0	27.0	114.8	1551.8	141.1	310.3	14.5	60.3	95.8	-	2.1	3.2	0.0	0.0
93.0	30.0	1044.7	178.9	429.3	242.0	96.2	279.4	120.6	-	5.4	0.0	0.0	0.0
93.0	35.0	-	18.6	343.2	814.3	260.5	366.7	34.1	-	11.0	0.0	2.6	0.0
93.0	40.0	91.8	58.3	92.5	240.5	245.7	360.6	120.3	-	0.0	0.0	0.0	0.0
93.0	45.0	-	62.4	109.1	-	1007.5	155.0	96.3	-	0.0	0.0	-	-
93.0	50.0	139.2	61.4	46.1	98.9	503.0	499.9	339.7	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	13.9	341.5	1983.6	282.2	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	108.5	12.6	2.8	255.2	1269.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	94.4	10.8	6.6	75.3	-	0.0	-	-	-
93.0	70.0	20.6	-	13.7	3.1	14.5	3.2	0.0	-	0.0	0.0	0.0	0.0
93.0	75.0	-	-	-	-	7.2	0.0	0.0	-	-	-	-	-
93.0	80.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	30.0	-	329.4	462.6	405.1	220.9	32.9	14.1	-	-	3.4	0.0	0.0
97.0	32.0	-	324.3	1246.6	1349.5	832.3	-	88.7	-	-	0.0	2.3	0.0
97.0	35.0	-	-	-	622.7	279.3	145.7	6.2	-	-	0.0	0.0	0.0
97.0	40.0	-	30.6	112.5	1140.8	1294.0	58.1	9.5	-	-	0.0	0.0	0.0
97.0	45.0	-	171.6	0.0	476.8	137.7	0.0	7.2	-	-	0.0	-	-
97.0	50.0	-	114.0	0.0	308.5	17.8	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	89.7	18.3	0.0	0.0	-	-	0.0	-	-
97.0	60.0	16.1	0.0	0.0	2.8	0.0	0.0	154.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	16.0	0.0	0.0	119.7	-	-	-	-	-
97.0	70.0	6.7	15.3	0.0	118.3	0.0	0.0	30.7	-	-	0.0	-	-
97.0	75.0	-	-	-	0.0	3.1	0.0	0.0	-	-	-	-	-
97.0	145.0	-	-	-	6.0	-	-	-	-	-	-	-	-
100.0	29.0	-	-	-	1105.4	545.2	8.9	-	-	-	4.0	2.4	0.0
100.0	30.0	387.6	982.4	535.1	1658.5	1012.0	-	10.8	-	-	0.0	0.0	0.0
100.0	32.0	403.3	77.0	294.6	-	-	-	-	-	-	-	-	-
100.0	33.0	-	-	-	-	-	35.0	-	-	-	-	-	-
100.0	35.0	-	-	-	329.7	1107.2	-	2.8	-	-	0.0	0.0	0.0
100.0	40.0	114.9	65.3	0.0	25.5	124.1	0.0	0.0	-	-	0.0	0.0	5.5
100.0	45.0	-	-	11.2	0.0	18.4	0.0	0.0	-	-	0.0	-	-
100.0	50.0	7.2	19.1	0.0	-	0.0	9.0	11.3	-	-	-	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	0.0	139.4	-	-	0.0	-	-
100.0	60.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	75.0	-	-	-	12.2	0.0	0.0	0.0	-	-	-	-	-
100.0	80.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	30.0	18.8	74.3	528.7	307.4	81.9	2.7	0.0	-	-	-	-	-
103.0	32.0	-	-	-	-	-	-	-	-	-	9.4	-	-
103.0	35.0	18.8	73.1	147.9	190.0	2.9	84.2	12.5	-	-	0.0	-	-
103.0	40.0	5.2	127.4	26.3	6.7	3.6	6.1	0.0	-	-	2.6	-	-
103.0	45.0	-	-	3.6	27.3	0.0	0.0	2.5	-	-	4.4	-	-
103.0	50.0	28.0	85.1	104.0	241.6	11.4	0.0	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	10.1	0.0	0.0	0.0	-	-	0.0	-	-
103.0	60.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	65.0	-	-	-	0.0	3.0	-	0.0	-	-	-	-	-
103.0	70.0	0.0	0.0	10.5	0.0	0.0	-	0.0	-	-	0.0	-	-
107.0	32.0	801.0	73.0	661.3	380.5	-	0.0	5.7	-	-	5.9	-	-
107.0	35.0	3.0	36.0	3606.1	436.2	43.3	18.7	10.7	-	-	-	-	-
107.0	40.0	11.9	15.8	723.6	188.8	44.1	5.7	0.0	-	-	0.0	-	-
107.0	45.0	-	-	380.0	1481.8	6.4	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	211.7	159.3	150.9	25.1	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	70.6	0.0	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	10.6	0.0	0.0	0.0	-	-	4.7	-	-
107.0	65.0	-	-	-	3.5	12.9	-	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	14.3	0.0	0.0	-	0.0	-	-	0.0	-	-
110.0	33.0	136.3	1460.8	284.8	208.6	4.1	6.1	0.0	5.8	6.1	26.8	-	-
110.0	35.0	820.8	24.8	580.7	152.1	0.0	0.0	0.0	0.0	0.0	5.4	-	-
110.0	40.0	806.4	53.8	126.7	14.7	0.0	0.0	0.0	0.0	0.0	5.1	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	45.0	-	-	122.5	184.6	0.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	36.8	2.9	28.4	526.0	36.3	3.2	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	867.0	145.9	0.0	0.0	-	-	0.0	-	-
110.0	60.0	21.9	0.0	157.8	0.0	60.6	0.0	0.0	-	-	0.0	-	-
110.0	70.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	90.0	0.0	0.0	0.0	6.3	0.0	-	-	-	-	0.0	-	-
113.0	30.0	204.5	96.1	282.7	373.7	0.0	7.3	0.0	0.0	0.0	120.3	-	-
113.0	35.0	1444.6	1446.2	1968.8	69.4	0.0	2.2	3.3	0.0	0.0	0.0	-	-
113.0	40.0	701.3	2.9	102.6	29.6	0.0	0.0	-	15.4	0.0	2.2	-	-
113.0	45.0	-	25.1	13.1	13.6	0.0	4.3	0.0	-	-	0.0	-	-
113.0	50.0	0.0	1091.8	9.5	44.2	3.6	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	18.6	0.0	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	402.5	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	8.8	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	-	0.0	5.3	0.0	0.0	0.0	-	-	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	2.6	9.0	-	-	-
115.0	40.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
117.0	26.0	590.3	868.1	716.9	2268.0	12.6	0.0	2.8	0.0	0.0	50.4	-	-
117.0	30.0	133.8	1135.0	227.6	352.6	171.1	3.2	0.0	0.0	3.0	10.4	-	-
117.0	35.0	1483.4	2596.8	884.6	16.5	279.5	3.3	2.8	0.0	0.0	4.5	-	-
117.0	40.0	930.2	196.4	5.3	3.7	0.0	13.8	3.0	12.4	0.0	0.0	-	-
117.0	45.0	-	-	0.0	9.7	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	9.5	1379.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	0.0	12.2	0.0	0.0	-	-	0.0	-	-
117.0	60.0	0.0	8.8	14.5	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	70.0	0.0	-	8.9	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.0	39.0	147.2	2112.4	353.4	48.2	68.4	5.1	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	6.1	-	-	-
118.5	30.0	-	-	-	-	-	-	-	6.2	8.5	-	-	-
118.5	35.0	-	-	-	-	-	-	-	0.0	5.3	-	-	-
119.0	33.0	420.4	3856.4	635.0	31.2	18.4	9.4	5.2	10.2	13.5	3.1	-	-
120.0	25.0	-	761.0	468.2	266.8	0.0	0.0	15.0	8.0	-	17.5	-	-
120.0	30.0	-	282.5	1001.6	334.8	0.0	2.5	0.0	56.3	732.1	0.0	-	-
120.0	35.0	157.5	2772.0	3237.6	0.0	30.5	0.0	26.5	113.2	2.7	0.0	-	-
120.0	40.0	-	56.3	32.3	56.3	0.0	0.0	0.0	14.9	-	0.0	-	-
120.0	45.0	35.9	239.4	1213.6	51.0	24.1	2.3	0.0	10.3	0.0	0.0	-	-
120.0	50.0	0.0	0.0	1527.9	5.2	18.4	0.0	0.0	-	-	0.0	-	-
120.0	55.0	-	-	-	123.2	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	0.0	207.4	180.9	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	58.9	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	43.3	80.2	0.0	0.0	0.0	-	-	0.0	-	-
123.0	37.0	1121.3	1740.5	272.0	76.9	23.7	12.5	0.0	0.0	2.5	0.0	-	-
123.0	42.0	109.7	1685.6	64.9	0.0	0.0	9.2	0.0	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	6.5	-	-	0.0	18.8	-	0.0	-	-
123.0	50.0	3.9	120.5	1894.9	0.0	0.0	2.6	0.0	-	-	0.0	-	-
123.0	60.0	6.3	11.6	10.9	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	34.0	1756.0	449.2	506.9	9.1	0.0	0.0	0.0	12.9	0.0	0.0	–	–
127.0	40.0	93.2	236.1	3419.5	7.2	8.7	0.0	0.0	0.0	0.0	3.4	–	–
127.0	45.0	–	372.6	467.9	–	0.0	–	0.0	3.1	0.0	0.0	–	–
127.0	50.0	0.0	25.2	15.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	60.0	0.0	5.7	2.9	6.2	0.0	–	0.0	–	–	–	–	–
127.0	70.0	8.7	–	–	0.0	–	–	–	–	–	0.0	–	–
130.0	30.0	828.6	806.8	419.8	20.5	23.3	56.8	0.0	8.3	0.0	0.0	–	–
130.0	35.0	102.7	189.4	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	0.0	2.5	2.9	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–
130.0	45.0	–	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	6549.8	3680.2	157.5	224.8	10.6	0.0	0.0	9.0	0.0	0.0	–	–
133.0	30.0	152.0	1538.3	65.5	363.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	35.0	–	499.0	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	0.0	7.9	0.0	0.0	13.3	–	–	0.0	–	–
133.0	45.0	–	–	–	4.9	0.0	0.0	0.0	–	–	0.0	–	–
133.0	55.0	–	–	–	5.7	–	–	0.0	–	–	0.0	–	–
137.0	23.0	450.2	440.3	109.1	5.7	27.7	164.9	2.6	0.0	0.0	6.7	–	–
137.0	30.0	0.0	17.9	1266.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	21.8	25.4	5.7	0.0	0.0	0.0	–	–	0.0	–	–
137.0	40.0	0.0	5.8	3.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
140.0	30.0	16.4	0.0	83.6	–	–	–	–	–	–	9.5	–	–
140.0	35.0	9.1	26.9	0.0	–	–	–	–	–	–	0.0	–	–
140.0	60.0	2.6	–	–	–	–	–	–	–	–	0.0	–	–
143.0	26.0	0.0	2.2	353.4	–	–	–	–	–	–	0.0	–	–
143.0	40.0	0.0	3.5	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	0.0	302.8	–	–	–	–	–	–	0.0	–	–
147.0	40.0	0.0	0.0	24.9	–	–	–	–	–	–	0.0	–	–

Argentina sialis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	40.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	28.0	–	2.8	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	30.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
107.0	32.0	0.0	0.0	0.0	4.5	–	0.0	0.0	–	–	0.0	–	–
107.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	35.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	55.0	–	–	–	0.0	3.7	0.0	0.0	–	–	0.0	–	–
113.0	35.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0	60.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	30.0	0.0	0.0	2.7	0.0	0.0	9.5	0.0	0.0	0.0	0.0	–	–
117.0	35.0	17.5	15.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	40.0	0.0	6.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Argentina sialis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
118.0	39.0	28.8	76.6	17.1	3.2	0.0	0.0	0.0	–	–	0.0	–	–
119.0	33.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–
120.0	45.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–	–	0.0	–	–
123.0	70.0	3.3	–	–	0.0	–	–	0.0	–	–	0.0	–	–
127.0	40.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	–	–

Microstoma microstoma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	2.7	–
80.0	80.0	0.0	3.3	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	0.0
83.0	65.0	–	–	–	3.3	0.0	0.0	0.0	–	–	–	–	–
83.0	75.0	–	–	–	0.0	2.5	3.0	0.0	–	–	–	–	–
83.0	80.0	–	–	0.0	0.0	3.2	0.0	0.0	–	–	0.0	–	–
83.0	85.0	–	–	–	–	3.2	2.9	0.0	–	–	–	–	–
87.0	75.0	–	–	–	0.0	2.9	2.7	0.0	–	–	–	–	–
87.0	80.0	–	0.0	0.0	0.0	2.8	3.3	0.0	–	–	0.0	–	–
90.0	55.0	–	0.0	0.0	0.0	0.0	0.0	3.0	–	0.0	0.0	0.0	0.0
90.0	75.0	–	–	–	0.0	0.0	2.7	0.0	–	–	–	–	–
90.0	90.0	–	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	–
90.0	120.0	–	–	–	3.0	–	–	–	–	–	–	–	–
93.0	40.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	–	0.0	0.0	0.0	0.0
93.0	45.0	–	0.0	0.0	–	0.0	3.4	0.0	–	0.0	0.0	–	–
93.0	50.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	60.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	65.0	–	–	–	3.2	0.0	0.0	0.0	–	–	–	–	–
100.0	35.0	–	–	–	0.0	0.0	–	2.8	–	–	0.0	0.0	0.0
100.0	45.0	–	–	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
100.0	50.0	0.0	0.0	0.0	–	0.0	0.0	2.8	–	–	–	0.0	0.0
100.0	55.0	–	–	–	3.1	0.0	0.0	2.7	–	–	0.0	–	–
103.0	35.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	–
103.0	45.0	–	–	0.0	0.0	0.0	0.0	2.5	–	–	0.0	–	–
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.5	–	–
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	–	–	2.5	–	–
110.0	60.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
113.0	45.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Nansenia candida

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	55.0	–	–	9.6	–	–	–	0.0	–	–	–	–	–
53.0	60.0	–	–	–	–	–	2.7	0.0	–	–	–	–	–
60.0	70.0	–	–	–	3.5	0.0	0.0	0.0	–	–	–	0.0	–
60.0	90.0	–	–	–	0.0	5.8	0.0	0.0	–	–	–	0.0	–
67.0	70.0	–	–	–	3.6	0.0	0.0	0.0	–	–	0.0	–	–
67.0	110.0	–	–	–	4.1	–	–	–	–	–	–	–	–
70.0	110.0	–	–	–	15.0	–	–	–	–	–	–	–	–
73.0	70.0	–	–	–	0.0	3.0	0.0	0.0	–	–	0.0	–	–
73.0	90.0	–	–	0.0	0.0	2.8	0.0	–	–	–	–	0.0	–
77.0	75.0	–	–	–	3.0	–	–	0.0	–	–	–	–	–
77.0	80.0	–	–	–	8.4	0.0	0.0	0.0	–	–	0.0	–	–
77.0	90.0	–	–	6.4	3.2	2.8	0.0	0.0	–	–	–	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	–	–	0.0	–	0.0
93.0	80.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	0.0	0.0
107.0	35.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–

Nansenia crassa

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	60.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
100.0	32.0	0.0	3.2	0.0	–	–	–	–	–	–	–	–	–
107.0	35.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	–	–	–	–	–
107.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	–
110.0	40.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	50.0	11.3	0.0	0.0	0.0	0.0	3.2	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	6.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	80.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	90.0	3.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0	–	–
113.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	–	–	0.0	–	–
113.0	60.0	2.8	0.0	0.0	3.4	0.0	0.0	0.0	–	–	0.0	–	–
113.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–
117.0	40.0	3.0	3.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	60.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	45.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	5.9	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	–
123.0	42.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	45.0	–	–	–	0.0	–	–	3.2	0.0	–	0.0	–	–
123.0	50.0	0.0	2.9	9.6	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	40.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	45.0	–	0.0	3.0	–	0.0	–	0.0	0.0	3.0	0.0	–	–
127.0	50.0	0.0	0.0	12.6	2.3	0.0	0.0	3.5	–	–	0.0	–	–
127.0	60.0	0.0	0.0	0.0	3.1	0.0	–	0.0	–	–	–	–	–
127.0	70.0	2.9	–	–	0.0	–	–	–	–	–	0.0	–	–
130.0	40.0	3.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Nansenia crassa (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	45.0	–	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	2.5	0.0	0.0	0.0	–	–	0.0	–	–
137.0	35.0	7.4	0.0	0.0	5.7	0.0	0.0	0.0	–	–	0.0	–	–
137.0	40.0	2.9	0.0	6.9	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	60.0	2.8	–	–	0.0	–	–	0.0	–	–	0.0	–	–
140.0	35.0	0.0	0.0	3.0	–	–	–	–	–	–	0.0	–	–
140.0	40.0	0.0	0.0	9.3	–	–	–	–	–	–	0.0	–	–
143.0	35.0	0.0	0.0	8.7	–	–	–	–	–	–	0.0	–	–

Bathylagus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	0.0	0.0	5.8	0.0	–	–	–	0.0	–
83.0	85.0	–	–	–	–	0.0	2.9	0.0	–	–	–	–	–
93.0	30.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	80.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	–	–	0.0	0.0	0.0
97.0	32.0	–	0.0	0.0	0.0	5.7	–	0.0	–	–	0.0	0.0	0.0
107.0	35.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	–	–	–	–	–
137.0	50.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
147.0	40.0	0.0	9.5	0.0	–	–	–	–	–	–	0.0	–	–
150.0	30.0	3.4	0.0	0.0	–	–	–	–	–	–	2.7	–	–
157.0	30.0	4.8	–	–	–	–	–	–	–	–	–	–	–
157.0	50.0	2.6	–	–	–	–	–	–	–	–	–	–	–

Bathylagus milleri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	–	–	–	–	0.0	–	2.8	–	–	0.0	–	–

Bathylagus ochotensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	–	–	–	–	–	–	2.5	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	6.1	–	–	–	–	–
47.0	55.0	–	–	9.6	–	–	–	0.0	–	–	–	–	–
50.0	50.0	–	–	–	–	–	3.3	–	–	–	–	–	–
53.0	60.0	–	–	–	–	–	2.7	0.0	–	–	–	–	–
60.0	52.0	–	–	–	0.0	4.5	0.0	0.0	–	–	–	0.0	–
60.0	55.0	0.0	–	–	0.0	0.0	0.0	5.8	–	–	–	0.0	–

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	3.4	3.3	0.0	9.2	–	–	–	0.0	–
60.0	70.0	–	–	–	3.5	15.4	0.0	2.8	–	–	–	0.0	–
60.0	80.0	–	–	–	3.1	2.7	0.0	0.0	–	–	–	0.0	–
63.0	55.0	–	–	–	–	29.6	–	0.0	–	–	0.0	–	–
63.0	60.0	0.0	–	–	–	23.9	0.0	0.0	–	–	0.0	–	–
63.0	65.0	–	–	–	–	–	–	3.1	–	–	–	–	–
63.0	70.0	–	–	–	–	28.4	0.0	0.0	–	–	0.0	–	–
63.0	90.0	–	–	–	–	5.9	0.0	3.4	–	–	–	–	–
67.0	50.0	–	–	–	3.2	0.0	0.0	0.0	–	–	0.0	–	–
67.0	55.0	15.2	–	–	0.0	13.8	0.0	8.0	–	–	0.0	–	–
67.0	60.0	0.0	–	–	18.4	0.0	3.0	0.0	–	–	0.0	–	–
67.0	65.0	–	–	–	18.3	–	–	0.0	–	–	0.0	–	–
67.0	70.0	–	–	–	0.0	11.0	0.0	0.0	–	–	0.0	–	–
67.0	80.0	–	–	–	3.3	0.0	0.0	0.0	–	–	0.0	–	–
67.0	90.0	–	–	–	7.4	0.0	0.0	0.0	–	–	–	–	–
70.0	52.0	–	–	9.0	5.3	7.7	0.0	0.0	–	–	–	–	–
70.0	55.0	–	–	–	0.0	6.0	0.0	0.0	–	–	0.0	–	–
70.0	60.0	–	–	3.2	0.0	3.4	0.0	0.0	–	–	0.0	–	–
70.0	65.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
70.0	70.0	2.7	–	13.5	13.1	0.0	6.2	0.0	–	–	0.0	–	–
70.0	75.0	–	–	–	3.2	–	–	0.0	–	–	–	–	–
70.0	80.0	0.0	–	6.7	6.8	0.0	0.0	0.0	–	–	0.0	–	–
70.0	90.0	0.0	–	0.0	3.0	2.6	0.0	0.0	–	–	–	0.0	–
73.0	51.0	–	–	–	0.0	2.6	5.9	2.6	–	–	0.0	–	–
73.0	55.0	6.4	–	3.1	2.8	3.2	5.7	3.3	–	–	0.0	–	–
73.0	60.0	21.4	–	–	6.9	0.0	2.9	0.0	–	–	0.0	–	–
73.0	65.0	–	–	–	9.8	–	–	0.0	–	–	0.0	–	–
73.0	70.0	–	–	–	12.6	12.2	0.0	0.0	–	–	0.0	–	–
73.0	80.0	–	–	–	6.5	5.8	2.9	0.0	–	–	0.0	–	–
73.0	90.0	–	–	17.4	6.9	0.0	0.0	–	–	–	–	0.0	–
77.0	50.0	–	–	–	0.0	8.9	0.0	0.0	–	–	0.0	–	–
77.0	55.0	6.2	0.0	–	0.0	16.2	2.7	0.0	–	–	0.0	–	–
77.0	60.0	23.3	6.7	–	6.5	2.5	3.0	5.2	–	–	0.0	–	–
77.0	75.0	–	–	–	0.0	–	–	2.5	–	–	–	–	–
77.0	90.0	–	–	12.8	0.0	0.0	0.0	0.0	–	–	–	0.0	–
80.0	55.0	0.0	0.0	3.1	3.1	0.0	2.9	0.0	–	–	0.0	0.0	0.0
80.0	60.0	0.0	18.3	2.9	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0	65.0	–	–	–	6.5	–	–	0.0	–	–	–	–	–
80.0	70.0	6.1	22.7	0.0	3.0	0.0	0.0	3.2	–	–	0.0	–	0.0
80.0	80.0	3.0	3.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
80.0	90.0	–	0.0	3.4	0.0	0.0	3.0	0.0	–	–	0.0	–	–
83.0	55.0	3.1	–	3.0	2.7	0.0	3.0	0.0	–	–	0.0	–	0.0
83.0	60.0	3.0	–	7.2	0.0	0.0	0.0	0.0	–	–	0.0	0.0	2.7
83.0	65.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
83.0	70.0	6.1	–	0.0	0.0	6.1	0.0	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	3.5	2.5	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	80.0	-	-	0.0	0.0	3.2	6.3	2.7	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	5.9	0.0	-	-	-	-	-
87.0	35.0	2.4	0.0	0.0	3.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	40.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-	-	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	3.1	0.0	3.1	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	23.2	0.0	2.9	0.0	0.0	0.0	-	-	0.0	-	0.0
87.0	70.0	-	3.0	0.0	3.7	2.3	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	0.0	8.6	5.4	0.0	-	-	-	-	-
87.0	80.0	-	0.0	4.1	2.8	2.8	0.0	3.0	-	-	0.0	-	-
90.0	28.0	-	11.4	0.0	3.2	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	12.4	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	9.3	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	50.0	-	5.5	12.1	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	55.0	-	24.2	0.0	3.8	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	3.3	0.0	6.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	70.0	-	0.0	3.1	23.2	2.7	0.0	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	11.6	0.0	5.5	0.0	-	-	-	-	-
90.0	80.0	-	0.0	4.4	-	3.1	0.0	0.0	-	-	0.0	0.0	0.0
90.0	85.0	-	-	-	3.8	0.0	0.0	0.0	-	-	-	-	-
93.0	27.0	0.0	4.9	0.0	2.9	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	30.0	0.0	6.9	0.0	0.0	0.0	0.0	2.7	-	0.0	0.0	0.0	0.0
93.0	35.0	-	9.3	0.0	0.0	0.0	7.7	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	0.0	9.7	3.7	3.3	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	3.1	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	2.9	9.7	0.0	3.2	7.9	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	3.0	2.7	0.0	0.0	-	0.0	-	-	-
93.0	70.0	5.2	-	3.4	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
97.0	30.0	-	0.0	0.0	3.1	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	1.3	3.4	12.2	0.0	-	0.0	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	17.6	3.1	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	4.6	0.0	0.0	0.0	3.1	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	0.0	0.0	6.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	4.6	0.0	5.5	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	60.0	6.4	3.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	70.0	6.7	0.0	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	80.0	10.5	0.0	7.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	0.0	9.5	0.0	-	-	-	0.0	0.0	0.0
100.0	30.0	5.1	0.0	0.0	0.0	10.1	-	0.0	-	-	0.0	0.0	0.0
100.0	33.0	-	-	-	-	-	3.2	-	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	6.2	0.0	-	-	0.0	-	-
100.0	60.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	70.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	30.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	35.0	0.0	0.0	3.4	0.0	0.0	0.0	2.5	–	–	0.0	–	–
103.0	40.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	50.0	0.0	6.1	0.0	9.1	2.9	0.0	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	3.4	0.0	0.0	0.0	–	–	0.0	–	–
107.0	35.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
107.0	40.0	3.0	22.1	6.7	0.0	0.0	5.7	0.0	–	–	0.0	–	–
107.0	45.0	–	–	0.0	0.0	3.2	6.2	0.0	–	–	0.0	–	–
107.0	50.0	0.0	29.0	0.0	0.0	14.4	0.0	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	7.1	0.0	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
107.0	65.0	–	–	–	0.0	12.9	–	0.0	–	–	–	–	–
110.0	40.0	0.0	2.8	3.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	0.0	2.9	3.6	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	6.0	7.5	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	0.0	12.1	3.1	0.0	–	–	0.0	–	–
113.0	35.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0	40.0	0.0	5.8	2.9	2.3	0.0	0.0	–	0.0	0.0	0.0	–	–
113.0	45.0	–	2.8	0.0	0.0	9.6	0.0	0.0	–	–	0.0	–	–
113.0	50.0	0.0	0.0	0.0	3.2	3.6	0.0	0.0	–	–	0.0	–	–
113.0	55.0	–	–	–	21.3	3.5	0.0	0.0	–	–	0.0	–	–
113.0	60.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	–	–	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	24.8	0.0	0.0	0.0	0.0	0.0	–	–
117.0	60.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	–	–	0.0	–	–
118.0	39.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	–	–	0.0	–	–
120.0	55.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	–	0.0	–	–
123.0	50.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Bathylagus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	50.0	–	–	6.0	–	–	–	0.0	–	–	–	–	–
60.0	52.0	–	–	–	0.0	2.3	0.0	0.0	–	–	–	0.0	–
60.0	60.0	–	–	–	6.7	0.0	0.0	0.0	–	–	–	0.0	–
67.0	50.0	–	–	–	3.2	0.0	0.0	0.0	–	–	0.0	–	–
67.0	55.0	0.0	–	–	3.5	0.0	0.0	0.0	–	–	0.0	–	–
67.0	80.0	–	–	–	6.6	0.0	0.0	0.0	–	–	0.0	–	–
70.0	52.0	–	–	0.0	2.7	2.6	0.0	0.0	–	–	–	–	–
70.0	55.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
70.0	60.0	–	–	0.0	3.4	0.0	0.0	0.0	–	–	0.0	–	–
70.0	65.0	–	–	–	13.2	–	–	0.0	–	–	0.0	–	–
70.0	70.0	0.0	–	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0	80.0	3.7	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0	90.0	0.0	–	0.0	9.1	0.0	0.0	0.0	–	–	–	0.0	–

TABLE 4. (cont.)

Bathylagus pacificus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0 55.0	0.0	–	9.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
77.0 55.0	0.0	0.0	–	0.0	2.7	0.0	0.0	–	–	0.0	–	–
77.0 60.0	8.7	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
77.0 75.0	–	–	–	3.0	–	–	0.0	–	–	–	–	–
80.0 55.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0 60.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0 70.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0 55.0	–	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	0.0
87.0 70.0	–	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
93.0 40.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0

Bathylagus wesethi

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0 80.0	–	–	–	–	0.0	3.0	2.8	–	–	2.7	–	–
63.0 110.0	–	–	–	13.5	–	–	–	–	–	–	–	–
67.0 65.0	–	–	–	0.0	–	–	3.3	–	–	0.0	–	–
67.0 80.0	–	–	–	0.0	0.0	0.0	5.9	–	–	0.0	–	–
67.0 90.0	–	–	–	0.0	0.0	3.0	0.0	–	–	–	–	–
67.0 100.0	–	–	–	–	–	–	21.6	–	–	–	0.0	–
67.0 110.0	–	–	–	8.1	–	–	–	–	–	–	–	–
70.0 110.0	–	–	–	7.5	–	–	–	–	–	–	–	–
73.0 80.0	–	–	–	0.0	0.0	5.9	0.0	–	–	0.0	–	–
73.0 85.0	–	–	–	2.9	–	–	–	–	–	–	–	–
73.0 90.0	–	–	0.0	0.0	0.0	12.7	–	–	–	–	0.0	–
77.0 75.0	–	–	–	3.0	–	–	0.0	–	–	–	–	–
77.0 80.0	–	–	–	25.1	0.0	24.1	11.0	–	–	0.0	–	–
77.0 85.0	–	–	–	2.2	–	–	83.2	–	–	–	–	–
77.0 90.0	–	–	0.0	64.6	5.7	3.0	168.5	–	–	–	0.0	–
80.0 51.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.2	0.0	0.0
80.0 75.0	–	–	–	0.0	–	–	6.0	–	–	–	–	–
80.0 80.0	0.0	0.0	0.0	27.0	0.0	24.7	8.0	–	–	0.0	–	0.0
80.0 85.0	–	–	–	11.8	–	–	7.6	–	–	–	–	–
80.0 90.0	–	0.0	0.0	10.2	0.0	0.0	8.9	–	–	0.0	–	–
80.0 100.0	–	–	–	6.4	–	–	–	–	–	–	–	–
80.0 110.0	–	–	–	2.9	–	–	–	–	–	–	–	–
80.0 120.0	–	–	–	2.8	–	–	–	–	–	–	–	–
80.0 130.0	–	–	–	11.1	–	–	–	–	–	–	–	–
80.0 145.0	–	–	–	2.7	–	–	–	–	–	–	–	–
83.0 40.0	–	0.0	0.0	0.0	0.0	0.0	1.4	–	–	0.0	0.0	0.0
83.0 65.0	–	–	–	6.6	2.6	0.0	0.0	–	–	–	–	–
83.0 70.0	0.0	–	0.0	3.3	9.1	0.0	3.0	–	–	0.0	–	–
83.0 75.0	–	–	–	0.0	2.5	0.0	9.6	–	–	–	–	–
83.0 80.0	–	–	0.0	0.0	3.2	15.7	13.7	–	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	85.0	–	–	–	–	0.0	102.9	3.3	–	–	–	–	–
83.0	90.0	–	–	–	–	2.8	62.4	6.4	–	–	0.0	–	–
87.0	60.0	–	0.0	0.0	0.0	0.0	12.3	3.0	–	–	0.0	0.0	0.0
87.0	65.0	–	–	–	0.0	18.1	0.0	0.0	–	–	–	–	–
87.0	70.0	–	0.0	0.0	14.9	11.6	21.4	15.8	–	–	10.6	–	–
87.0	75.0	–	–	–	14.5	2.9	35.1	9.8	–	–	–	–	–
87.0	80.0	–	0.0	0.0	0.0	22.3	89.4	0.0	–	–	0.0	–	–
87.0	85.0	–	–	–	–	50.0	82.9	79.2	–	–	–	–	–
87.0	90.0	–	–	–	–	101.5	25.8	21.6	–	–	0.0	–	–
90.0	55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	2.8	0.0	0.0	0.0
90.0	60.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	4.9	0.0	0.0	0.0
90.0	65.0	–	–	–	0.0	0.0	18.1	0.0	–	9.4	–	–	–
90.0	70.0	–	0.0	9.2	0.0	0.0	15.5	–	–	6.5	0.0	0.0	0.0
90.0	75.0	–	–	–	44.1	20.6	27.4	3.3	–	–	–	–	–
90.0	80.0	–	0.0	0.0	–	45.9	19.4	17.1	–	–	0.0	0.0	0.0
90.0	85.0	–	–	–	7.7	122.4	44.1	6.5	–	–	–	–	–
90.0	90.0	–	0.0	3.3	0.0	59.8	39.1	81.9	–	–	0.0	–	–
90.0	110.0	–	–	–	3.0	–	–	–	–	–	–	–	–
93.0	50.0	0.0	0.0	0.0	6.4	18.3	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	55.0	–	–	–	27.8	62.3	0.0	0.0	–	0.0	0.0	–	–
93.0	60.0	0.0	33.9	3.5	15.8	11.2	0.0	0.0	–	1.4	0.0	0.0	0.0
93.0	65.0	–	–	–	14.8	21.7	3.3	0.0	–	4.1	–	–	–
93.0	70.0	0.0	–	6.8	9.4	23.2	0.0	6.5	–	20.3	2.4	0.0	0.0
93.0	75.0	–	–	–	–	79.4	15.5	0.0	–	–	–	–	–
93.0	80.0	0.0	0.0	0.0	152.9	78.0	23.4	32.0	–	–	2.7	0.0	2.5
93.0	85.0	–	–	–	–	153.5	12.4	7.0	–	–	–	–	–
93.0	90.0	–	–	–	–	56.6	9.2	13.3	–	–	2.8	–	–
97.0	32.0	–	0.0	3.4	0.0	0.0	–	3.4	–	–	0.0	0.0	0.0
97.0	35.0	–	–	–	0.0	0.0	0.0	0.0	–	–	0.0	0.0	2.5
97.0	40.0	–	1.5	0.0	0.0	0.0	3.1	0.0	–	–	0.0	0.0	0.0
97.0	45.0	–	0.0	3.2	0.0	2.8	0.0	0.0	–	–	0.0	–	–
97.0	50.0	–	5.7	0.0	2.7	0.0	2.9	0.0	–	–	2.9	0.0	0.0
97.0	55.0	–	–	–	12.0	54.9	0.0	0.0	–	–	0.0	–	–
97.0	60.0	0.0	20.6	3.7	0.0	91.5	3.0	0.0	–	–	0.0	0.0	0.0
97.0	65.0	–	–	–	38.3	48.3	6.1	0.0	–	–	–	–	–
97.0	70.0	0.0	3.0	7.2	27.0	46.6	17.7	12.3	–	–	0.0	–	–
97.0	75.0	–	–	–	90.4	104.7	11.8	2.6	–	–	–	–	–
97.0	80.0	0.0	0.0	10.5	25.6	110.3	0.0	6.0	–	–	0.0	–	–
97.0	85.0	–	–	–	–	29.5	3.0	17.5	–	–	–	–	–
97.0	90.0	–	–	–	–	13.6	3.0	18.5	–	–	2.8	–	–
100.0	30.0	0.0	0.0	3.4	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	33.0	–	–	–	–	–	3.2	–	–	–	–	–	–
100.0	35.0	–	–	–	0.0	5.3	–	2.8	–	–	0.0	0.0	0.0
100.0	40.0	0.0	2.8	0.0	6.4	2.6	23.0	0.0	–	–	0.0	0.0	0.0
100.0	45.0	–	–	0.0	54.2	3.1	46.4	0.0	–	–	0.0	–	–
100.0	50.0	0.0	4.8	0.0	–	8.7	3.0	2.8	–	–	–	0.0	0.0

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	55.0	-	-	-	9.3	9.9	24.8	0.0	-	-	0.0	-	-
100.0	60.0	0.0	9.3	0.0	23.9	90.9	9.0	0.0	-	-	-	2.9	0.0
100.0	65.0	-	-	-	16.0	37.2	12.2	0.0	-	-	-	-	-
100.0	70.0	0.0	0.0	22.1	9.0	33.8	3.3	0.0	-	-	0.0	-	-
100.0	75.0	-	-	-	18.2	7.8	0.0	0.0	-	-	-	-	-
100.0	80.0	0.0	3.1	0.0	3.0	0.0	3.0	0.0	-	-	2.3	-	-
100.0	85.0	-	-	-	0.0	0.0	2.9	3.1	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	-	-
103.0	30.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	0.0	5.8	3.1	2.5	-	-	0.0	-	-
103.0	40.0	0.0	0.0	3.8	23.4	75.2	3.0	11.2	-	-	0.0	-	-
103.0	45.0	-	-	0.0	6.1	9.2	40.4	0.0	-	-	2.2	-	-
103.0	50.0	0.0	6.1	0.0	0.0	2.9	89.6	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	10.1	52.1	50.8	0.0	-	-	0.0	-	-
103.0	60.0	0.0	18.7	3.5	10.3	24.4	14.5	0.0	-	-	5.2	-	-
103.0	65.0	-	-	-	0.0	12.0	-	0.0	-	-	-	-	-
103.0	70.0	0.0	3.0	3.5	3.4	0.0	-	0.0	-	-	0.0	-	-
103.0	75.0	-	-	-	0.0	2.6	-	0.0	-	-	-	-	-
103.0	85.0	-	-	-	0.0	0.0	-	2.9	-	-	-	-	-
103.0	90.0	-	-	-	3.2	0.0	-	0.0	-	-	2.6	-	-
107.0	35.0	0.0	0.0	7.6	0.0	3.1	12.5	0.0	-	-	-	-	-
107.0	40.0	0.0	9.5	0.0	4.7	9.8	8.6	0.0	-	-	0.0	-	-
107.0	45.0	-	-	0.0	0.0	3.2	27.8	0.0	-	-	0.0	-	-
107.0	50.0	0.0	26.1	3.6	0.0	3.6	16.1	0.0	-	-	2.5	-	-
107.0	55.0	-	-	-	56.5	133.6	0.0	0.0	-	-	8.1	-	-
107.0	60.0	-	0.0	3.6	78.1	177.0	0.0	0.0	-	-	4.7	-	-
107.0	65.0	-	-	-	0.0	142.1	-	0.0	-	-	-	-	-
107.0	70.0	3.3	0.0	0.0	7.0	0.0	-	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	3.2	6.8	-	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	2.7	-	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	7.3	0.0	-	0.0	-	-	2.5	-	-
110.0	33.0	0.0	0.0	3.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	11.0	4.3	5.7	4.3	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	17.0	0.0	0.0	3.0	0.0	2.8	0.0	0.0	0.0	-	-
110.0	45.0	-	-	6.6	14.2	3.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
110.0	55.0	-	-	-	24.0	0.0	0.0	0.0	-	-	2.3	-	-
110.0	60.0	8.2	0.0	0.0	5.7	3.0	0.0	0.0	-	-	2.9	-	-
110.0	65.0	-	-	-	3.2	26.2	-	0.0	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	9.8	5.9	0.0	0.0	-	-	6.8	-	-
110.0	80.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	15.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	8.8	0.0	16.0	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	45.0	-	5.6	13.1	387.6	3.2	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	2.7	6.3	50.6	10.9	0.0	0.0	-	-	6.8	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	55.0	–	–	–	0.0	7.1	0.0	0.0	–	–	0.0	–	–
113.0	60.0	2.8	0.0	0.0	55.0	3.5	7.6	0.0	–	–	0.0	–	–
113.0	65.0	–	–	–	2.9	3.5	0.0	0.0	–	–	–	–	–
113.0	70.0	3.2	–	0.0	0.0	0.0	0.0	0.0	–	–	13.7	–	–
113.0	80.0	–	–	–	0.0	0.0	–	0.0	–	–	2.7	–	–
117.0	30.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	0.0	8.7	0.0	12.4	0.0	0.0	0.0	3.1	0.0	–	–
117.0	40.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	50.0	0.0	0.0	3.1	14.5	0.0	0.0	0.0	–	–	6.7	–	–
117.0	60.0	0.0	0.0	0.0	5.8	18.7	0.0	0.0	–	–	0.0	–	–
117.0	65.0	–	–	–	2.8	89.1	0.0	0.0	–	–	–	–	–
117.0	70.0	0.0	–	0.0	2.9	19.0	0.0	0.0	–	–	0.0	–	–
117.0	75.0	–	–	–	3.4	0.0	–	0.0	–	–	–	–	–
120.0	35.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	55.0	–	–	–	25.2	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	3.7	0.0	0.0	3.3	7.4	0.0	–	–	–	5.8	–	–
120.0	65.0	–	–	–	3.1	15.2	0.0	0.0	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	–	–	0.0	–	–
120.0	75.0	–	–	–	0.0	0.0	0.0	3.3	–	–	–	–	–
123.0	42.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	–	–
123.0	45.0	–	–	–	6.5	–	–	0.0	0.0	–	0.0	–	–
123.0	50.0	0.0	2.9	12.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	55.0	–	–	–	0.0	3.5	0.0	0.0	–	–	0.0	–	–
123.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	3.3	–	–
123.0	80.0	–	–	–	0.0	–	–	–	–	–	3.3	–	–
127.0	34.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	3.0	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	3.6	3.0	0.0	–	–	0.0	–	–
127.0	60.0	0.0	0.0	0.0	6.2	0.0	–	0.0	–	–	–	–	–
127.0	70.0	0.0	–	–	2.8	–	–	–	–	–	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–
130.0	45.0	–	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–	0.0	–	–
133.0	50.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	–	–	0.0	–	–
137.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	–	–

Leuroglossus stilbius

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
57.0	55.0	–	–	–	–	–	0.0	3.5	–	–	–	–	–
60.0	55.0	2.9	–	–	0.0	0.0	0.0	0.0	–	–	–	0.0	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	-	-	-	6.7	0.0	0.0	3.1	-	-	-	0.0	-
60.0	65.0	-	-	-	0.0	-	-	3.1	-	-	-	-	-
60.0	80.0	-	-	-	3.1	0.0	0.0	0.0	-	-	-	0.0	-
63.0	60.0	5.9	-	-	-	0.0	5.8	0.0	-	-	0.0	-	-
63.0	80.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
63.0	90.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
67.0	50.0	-	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
67.0	55.0	15.2	-	-	3.5	3.5	0.0	13.4	-	-	0.0	-	-
67.0	60.0	8.9	-	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
67.0	65.0	-	-	-	7.3	-	-	0.0	-	-	0.0	-	-
67.0	80.0	-	-	-	3.3	0.0	0.0	0.0	-	-	0.0	-	-
67.0	90.0	-	-	-	22.1	0.0	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	18.1	10.6	5.1	0.0	3.0	-	-	-	-	-
70.0	55.0	-	-	-	0.0	3.0	6.2	0.0	-	-	0.0	-	-
70.0	60.0	-	-	0.0	3.4	0.0	0.0	0.0	-	-	0.0	-	-
70.0	65.0	-	-	-	3.3	-	-	0.0	-	-	0.0	-	-
70.0	70.0	0.0	-	107.8	16.4	3.7	0.0	0.0	-	-	0.0	-	-
70.0	80.0	0.0	-	6.7	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0	85.0	-	-	-	6.6	-	-	0.0	-	-	-	-	-
70.0	90.0	0.0	-	0.0	3.0	2.6	0.0	0.0	-	-	-	0.0	-
73.0	51.0	-	-	-	35.5	2.6	0.0	0.0	-	-	0.0	-	-
73.0	55.0	26.2	-	30.6	5.5	6.3	5.7	0.0	-	-	0.0	-	-
73.0	60.0	32.0	-	-	0.0	0.0	0.0	5.6	-	-	0.0	-	-
73.0	70.0	-	-	-	6.3	15.2	0.0	0.0	-	-	0.0	-	-
73.0	80.0	-	-	-	0.0	0.0	0.0	3.0	-	-	0.0	-	-
73.0	90.0	-	-	3.5	3.5	0.0	0.0	-	-	-	-	0.0	-
77.0	50.0	-	-	-	0.0	6.0	0.0	6.1	-	-	0.0	-	-
77.0	55.0	33.9	17.1	-	10.1	43.2	2.7	3.3	-	-	0.0	-	-
77.0	60.0	75.7	70.6	-	22.6	14.7	3.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	3.4	-	-	0.0	-	-	-	-	-
77.0	70.0	-	-	-	11.1	3.0	2.9	0.0	-	-	0.0	-	-
77.0	75.0	-	-	-	21.1	-	-	2.5	-	-	-	-	-
77.0	90.0	-	-	3.2	0.0	0.0	0.0	0.0	-	-	-	0.0	-
80.0	51.0	14.6	0.0	6.1	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
80.0	55.0	40.8	63.4	40.6	12.3	3.1	5.7	0.0	-	-	0.0	0.0	0.0
80.0	60.0	6.3	39.6	11.5	49.8	2.1	0.0	0.0	-	-	0.0	0.0	0.0
80.0	65.0	-	-	-	13.0	-	-	0.0	-	-	-	-	-
80.0	70.0	9.1	28.4	8.9	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	75.0	-	-	-	3.0	-	-	0.0	-	-	-	-	-
82.0	47.0	31.2	3.0	0.0	20.8	8.5	0.0	0.0	-	-	0.0	0.0	0.0
83.0	40.0	-	1.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	22.9	0.0	21.1	19.4	3.3	0.0	6.3	-	-	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	25.0	2.6	6.0	0.0	-	-	0.0	0.0	0.0
83.0	55.0	6.2	-	0.0	21.7	0.0	8.9	6.0	-	-	0.0	-	0.0
83.0	60.0	3.0	-	36.2	9.8	40.4	5.7	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	3.3	25.9	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	70.0	6.1	-	0.0	3.3	0.0	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	0.0	5.1	0.0	0.0	-	-	-	-	-
83.0	80.0	-	-	0.0	6.6	0.0	0.0	0.0	-	-	0.0	-	-
87.0	35.0	4.7	19.0	28.4	0.0	5.2	0.0	0.0	-	-	0.0	0.0	0.0
87.0	40.0	0.0	32.0	16.0	18.5	25.3	3.2	0.0	-	-	0.0	0.0	0.0
87.0	45.0	8.1	23.0	7.7	0.0	5.7	3.1	11.6	-	-	0.0	0.0	0.0
87.0	50.0	-	-	3.2	0.0	2.7	0.0	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	14.5	3.3	5.8	29.1	0.0	4.7	-	-	0.0	-	0.0
87.0	60.0	-	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	65.0	-	-	-	9.6	2.6	0.0	0.0	-	-	-	-	-
87.0	70.0	-	0.0	0.0	3.7	9.2	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	5.8	0.0	0.0	0.0	-	-	-	-	-
87.0	80.0	-	0.0	0.0	2.8	5.6	0.0	0.0	-	-	0.0	-	-
90.0	28.0	-	11.4	13.0	0.0	0.0	0.0	18.5	-	0.0	0.0	0.0	0.0
90.0	30.0	-	8.8	28.6	62.0	13.2	3.2	15.2	-	0.0	0.0	0.0	-
90.0	37.0	-	-	5.9	3.2	18.6	9.6	3.1	-	0.0	0.0	0.0	0.0
90.0	45.0	-	5.8	13.0	5.3	0.0	0.0	3.2	-	0.0	0.0	0.0	0.0
90.0	50.0	-	5.5	60.6	-	0.0	0.0	3.3	-	0.0	0.0	0.0	0.0
90.0	55.0	-	6.0	11.4	7.7	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	10.0	7.6	0.0	0.0	3.3	-	0.0	0.0	0.0	0.0
90.0	65.0	-	-	-	5.9	6.1	0.0	0.0	-	0.0	-	-	-
90.0	70.0	-	0.0	6.1	3.3	0.0	0.0	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	2.3	0.0	0.0	0.0	-	-	-	-	-
90.0	85.0	-	-	-	3.8	0.0	0.0	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	3.2	0.0	15.1	0.0	-	-	0.0	-	-
93.0	27.0	0.0	0.0	0.0	5.8	0.0	2.7	3.5	-	0.0	0.0	0.0	0.0
93.0	30.0	0.0	24.1	0.0	21.0	0.0	33.8	0.0	-	0.0	0.0	0.0	0.0
93.0	35.0	-	3.1	0.0	6.1	0.0	11.6	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	10.0	6.3	0.0	3.3	-	0.0	0.0	0.0	0.0
93.0	45.0	-	9.4	0.0	-	15.0	3.4	10.0	-	0.0	0.0	-	-
93.0	50.0	11.6	6.5	3.5	19.1	15.7	3.0	3.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	0.0	5.4	0.0	0.0	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	6.5	3.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	3.0	8.1	0.0	0.0	-	0.0	-	-	-
97.0	30.0	-	0.0	0.0	6.3	0.0	2.2	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	1.3	10.1	101.0	22.9	-	20.5	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	40.7	79.4	58.9	3.1	-	-	0.0	0.0	0.0
97.0	40.0	-	3.1	0.0	78.3	24.6	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	2.9	0.0	80.5	8.4	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	0.0	0.0	19.1	3.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	9.0	0.0	6.1	0.0	-	-	0.0	-	-
97.0	60.0	0.0	3.0	0.0	2.8	5.4	0.0	0.0	-	-	0.0	0.0	0.0
97.0	70.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	0.0	60.2	0.0	-	-	-	0.0	0.0	0.0
100.0	30.0	0.0	0.0	10.3	6.0	81.0	-	0.0	-	-	0.0	0.0	0.0
100.0	32.0	0.0	3.2	7.1	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	35.0	-	-	-	0.0	18.4	-	0.0	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	35.1	0.0	0.0	5.7	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	6.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	6.0	0.0	-	-	-	0.0	0.0
100.0	60.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	70.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	75.0	-	-	-	3.0	0.0	0.0	0.0	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	-	-
103.0	30.0	0.0	3.5	0.0	5.6	43.7	2.7	0.0	-	-	-	-	-
103.0	35.0	0.0	3.5	17.2	9.7	8.6	3.1	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	9.1	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	0.0	0.0	3.3	60.4	28.6	2.9	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	10.1	37.2	0.0	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	16.3	5.8	0.0	-	-	0.0	-	-
107.0	32.0	0.0	3.7	24.7	9.1	-	3.2	0.0	-	-	0.0	-	-
107.0	35.0	0.0	0.0	22.9	27.8	40.2	9.4	0.0	-	-	-	-	-
107.0	40.0	0.0	9.5	16.8	28.3	17.1	8.6	0.0	-	-	0.0	-	-
107.0	45.0	-	-	0.0	17.8	16.1	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	46.4	14.4	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	35.3	3.3	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	0.0	10.0	3.1	0.0	-	-	0.0	-	-
107.0	65.0	-	-	-	0.0	22.6	-	0.0	-	-	-	-	-
110.0	33.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	8.5	20.1	8.5	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	11.5	23.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	-	-	9.9	71.0	3.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	0.0	0.0	0.0	49.1	14.5	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	36.0	37.4	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	21.2	0.0	0.0	-	-	0.0	-	-
113.0	35.0	0.0	0.0	3.1	14.5	12.5	11.2	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	2.9	0.0	11.4	0.0	2.7	-	0.0	0.0	0.0	-	-
113.0	45.0	-	0.0	0.0	3.4	25.6	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	0.0	0.0	9.5	10.9	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	8.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	2.7	0.0	34.4	0.0	0.0	0.0	-	-	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	22.1	3.2	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	2.9	0.0	43.5	3.3	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	16.0	3.7	0.0	2.3	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	17.1	0.0	4.5	0.0	0.0	-	-	0.0	-	-
117.0	60.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	-	-	0.0	-	-
117.0	70.0	0.0	-	0.0	0.0	4.8	0.0	0.0	-	-	0.0	-	-
118.0	39.0	0.0	0.0	11.4	0.0	3.8	0.0	0.0	-	-	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	-	-
120.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	-
120.0	50.0	0.0	0.0	17.9	5.2	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 55.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
120.0 60.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–	–	0.0	–	–
120.0 80.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	–	–	0.0	–	–
123.0 42.0	0.0	0.0	0.0	3.5	3.3	0.0	0.0	0.0	0.0	0.0	–	–
123.0 50.0	0.0	0.0	35.1	2.8	0.0	0.0	0.0	–	–	0.0	–	–
123.0 55.0	–	–	–	2.5	0.0	0.0	0.0	–	–	0.0	–	–
127.0 40.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0 35.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	–	–
130.0 45.0	–	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0 30.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Stomiiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0 60.0	0.0	–	–	–	6.0	0.0	0.0	–	–	0.0	–	–
67.0 60.0	0.0	–	–	0.0	3.1	0.0	0.0	–	–	0.0	–	–
73.0 55.0	0.0	–	0.0	0.0	3.2	0.0	0.0	–	–	0.0	–	–
90.0 145.0	–	–	–	2.7	–	–	–	–	–	–	–	–
100.0 60.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	0.0
103.0 60.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0 35.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0 45.0	–	–	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0 40.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Cyclothone spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 90.0	–	–	–	0.0	0.0	3.1	0.0	–	–	–	0.0	–
63.0 100.0	–	–	–	–	–	–	–	–	–	–	2.4	–
63.0 110.0	–	–	–	3.4	–	–	–	–	–	–	–	–
67.0 110.0	–	–	–	4.1	–	–	–	–	–	–	–	–
70.0 100.0	–	–	–	0.0	–	–	0.0	–	–	–	8.7	–
73.0 90.0	–	–	0.0	0.0	0.0	3.2	–	–	–	–	0.0	–
77.0 55.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	3.3	–	–
77.0 60.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	2.8	–	–
77.0 80.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
77.0 90.0	–	–	0.0	16.1	0.0	0.0	22.7	–	–	–	6.1	–
80.0 51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.1	0.0	0.0
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	12.8	–	0.0
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.1
80.0 85.0	–	–	–	0.0	–	–	7.6	–	–	–	–	–
80.0 90.0	–	0.0	0.0	0.0	0.0	0.0	3.0	–	–	2.9	–	–
80.0 110.0	–	–	–	2.9	–	–	–	–	–	–	–	–
80.0 130.0	–	–	–	2.8	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	65.0	-	-	-	0.0	0.0	5.8	0.0	-	-	-	-	-
83.0	70.0	0.0	-	0.0	0.0	0.0	0.0	3.0	-	-	2.3	-	-
83.0	75.0	-	-	-	3.5	0.0	0.0	0.0	-	-	-	-	-
83.0	80.0	-	-	0.0	3.3	0.0	0.0	8.2	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	5.8
87.0	65.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
87.0	70.0	-	0.0	0.0	0.0	0.0	6.1	0.0	-	-	31.7	-	-
87.0	75.0	-	-	-	5.8	0.0	2.7	0.0	-	-	-	-	-
87.0	80.0	-	3.1	0.0	0.0	0.0	6.6	0.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	0.0	6.4	7.2	-	-	-	-	-
87.0	90.0	-	-	-	-	0.0	0.0	3.1	-	-	0.0	-	-
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	18.4	2.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	16.5	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	0.0	0.0	0.0	-	16.8	-	-	-
90.0	70.0	-	2.6	3.1	0.0	0.0	0.0	-	-	7.8	47.0	0.0	2.5
90.0	75.0	-	-	-	0.0	0.0	2.7	0.0	-	-	-	-	-
90.0	80.0	-	1.3	0.0	-	0.0	9.7	0.0	-	-	12.8	5.9	0.0
90.0	90.0	-	0.0	0.0	0.0	0.0	3.0	31.5	-	-	0.0	-	-
90.0	100.0	-	-	-	7.0	-	-	-	-	-	-	-	-
90.0	130.0	-	-	-	6.3	-	-	-	-	-	-	-	-
90.0	145.0	-	-	-	2.7	-	-	-	-	-	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.5	0.0
93.0	50.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.0	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	2.7	0.0	0.0	-	8.1	-	-	-
93.0	70.0	0.0	-	0.0	6.2	0.0	0.0	0.0	-	30.1	17.0	0.0	18.8
93.0	75.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
93.0	80.0	17.6	0.0	0.0	3.1	8.7	6.7	6.4	-	-	13.5	33.8	22.1
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	0.0	6.2	3.3	-	-	8.6	-	-
93.0	145.0	-	-	-	3.0	-	-	-	-	-	-	-	-
97.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.5	2.9
97.0	45.0	-	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	0.0	0.0	0.0	3.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	0.0	3.0	0.0	0.0	-	-	2.7	-	-
97.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	21.4	16.1
97.0	65.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	20.3	0.0	17.7	0.0	-	-	47.0	-	-
97.0	75.0	-	-	-	6.5	3.1	14.8	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	3.5	3.2	6.8	3.0	0.0	-	-	0.0	-	-
97.0	90.0	-	-	-	-	2.7	0.0	6.2	-	-	0.0	-	-
100.0	45.0	-	-	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	0.0	7.2	0.0	-	0.0	3.0	0.0	-	-	-	2.6	0.0
100.0	55.0	-	-	-	3.1	0.0	9.3	2.7	-	-	0.0	-	-
100.0	60.0	0.0	6.2	0.0	23.9	5.7	3.0	0.0	-	-	-	8.6	0.0

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	65.0	-	-	-	6.4	5.7	18.3	8.7	-	-	-	-	-
100.0	70.0	0.0	0.0	0.0	0.0	3.1	3.3	0.0	-	-	2.6	-	-
100.0	75.0	-	-	-	9.1	15.7	3.2	2.6	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	11.6	-	-
100.0	85.0	-	-	-	0.0	0.0	0.0	39.9	-	-	-	-	-
100.0	90.0	3.2	6.2	3.6	0.0	0.0	6.0	22.6	-	-	26.4	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	14.4	-	-
103.0	40.0	0.0	0.0	3.8	0.0	7.2	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	3.1	0.0	-	-	4.4	-	-
103.0	50.0	0.0	0.0	0.0	3.0	11.4	17.3	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	59.5	8.5	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	21.7	11.6	0.0	-	-	2.6	-	-
103.0	65.0	-	-	-	3.2	0.0	-	0.0	-	-	-	-	-
103.0	70.0	6.5	0.0	0.0	0.0	0.0	-	0.0	-	-	26.3	-	-
103.0	75.0	-	-	-	3.2	0.0	-	0.0	-	-	-	-	-
103.0	80.0	-	-	-	0.0	9.2	-	0.0	-	-	2.5	-	-
103.0	85.0	-	-	-	0.0	0.0	-	23.2	-	-	-	-	-
103.0	90.0	-	-	-	0.0	11.5	-	5.7	-	-	5.3	-	-
107.0	35.0	0.0	0.0	0.0	4.6	0.0	3.1	0.0	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	7.4	-	-
107.0	45.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	5.2	-	-
107.0	50.0	3.6	2.9	0.0	0.0	0.0	0.0	0.0	-	-	5.1	-	-
107.0	55.0	-	-	-	17.6	23.4	0.0	0.0	-	-	2.7	-	-
107.0	60.0	-	0.0	0.0	35.5	76.8	0.0	0.0	-	-	4.7	-	-
107.0	65.0	-	-	-	0.0	12.9	-	0.0	-	-	-	-	-
107.0	70.0	13.1	9.5	0.0	3.5	15.1	-	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	0.0	2.3	-	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	2.7	-	0.0	-	-	5.3	-	-
107.0	90.0	-	-	-	0.0	2.5	-	2.4	-	-	70.3	-	-
110.0	35.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	-	-	3.3	0.0	0.0	0.0	0.0	-	-	4.8	-	-
110.0	50.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-	-	2.9	-	-
110.0	65.0	-	-	-	3.2	9.8	-	0.0	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.5	-	-
110.0	85.0	-	-	-	5.8	0.0	-	-	-	-	-	-	-
110.0	90.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	35.7	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-
113.0	35.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	8.4	0.0	17.0	0.0	0.0	0.0	-	-	2.6	-	-
113.0	50.0	0.0	5.3	0.0	0.0	14.5	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	2.7	7.1	0.0	0.0	-	-	14.8	-	-
113.0	60.0	0.0	5.3	0.0	0.0	10.6	0.0	0.0	-	-	25.0	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	65.0	-	-	-	5.9	3.5	0.0	0.0	-	-	-	-	-
113.0	70.0	3.2	-	0.0	5.3	0.0	0.0	0.0	-	-	30.0	-	-
113.0	75.0	-	-	-	0.0	3.6	-	0.0	-	-	-	-	-
113.0	80.0	-	-	-	0.0	0.0	-	0.0	-	-	5.4	-	-
113.0	85.0	-	-	-	0.0	3.4	-	-	-	-	-	-	-
113.0	90.0	-	-	-	0.0	0.0	-	-	-	-	9.4	-	-
117.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	8.0	3.7	4.4	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	0.0	3.2	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	0.0	0.0	0.0	11.6	4.0	0.0	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	6.1	0.0	0.0	0.0	-	-	2.7	-	-
117.0	60.0	7.1	0.0	14.5	8.6	4.7	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	0.0	44.6	2.3	0.0	-	-	-	-	-
117.0	70.0	21.6	-	0.0	2.9	33.3	0.0	0.0	-	-	2.5	-	-
117.0	75.0	-	-	-	0.0	0.0	-	2.6	-	-	-	-	-
117.0	80.0	-	-	-	0.0	4.5	-	5.8	-	-	23.2	-	-
117.0	85.0	-	-	-	0.0	7.3	-	-	-	-	-	-	-
117.0	90.0	-	-	-	0.0	0.0	-	-	-	-	43.2	-	-
120.0	30.0	-	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	2.4	-	-
120.0	35.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	6.1	3.4	0.0	4.8	0.0	0.0	0.0	0.0	3.0	-	-
120.0	50.0	0.0	0.0	0.0	5.2	3.7	0.0	0.0	-	-	7.4	-	-
120.0	55.0	-	-	-	39.2	0.0	0.0	0.0	-	-	8.4	-	-
120.0	60.0	3.7	0.0	2.9	0.0	0.0	0.0	-	-	-	2.9	-	-
120.0	65.0	-	-	-	9.3	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	3.3	0.0	0.0	0.0	10.5	3.0	3.3	-	-	8.9	-	-
120.0	80.0	8.9	4.8	0.0	0.0	4.0	4.8	7.6	-	-	9.1	-	-
120.0	85.0	-	-	-	0.0	8.9	0.0	0.0	-	-	-	-	-
120.0	90.0	-	0.0	0.0	0.0	16.5	0.0	6.3	-	-	0.0	-	-
123.0	45.0	-	-	-	0.0	-	-	0.0	0.0	-	3.1	-	-
123.0	50.0	0.0	0.0	35.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	-	-	0.0	3.5	0.0	0.0	-	-	6.9	-	-
123.0	60.0	3.2	2.3	0.0	3.0	25.5	0.0	0.0	-	-	0.0	-	-
123.0	70.0	3.3	-	-	0.0	-	-	0.0	-	-	3.3	-	-
123.0	80.0	-	-	-	0.0	-	-	-	-	-	30.1	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	3.4	-	-
127.0	45.0	-	0.0	3.0	-	0.0	-	0.0	0.0	8.9	3.0	-	-
127.0	50.0	3.1	3.2	6.3	0.0	0.0	0.0	3.5	-	-	19.9	-	-
127.0	60.0	0.0	2.8	0.0	3.1	0.0	-	0.0	-	-	-	-	-
127.0	70.0	8.7	-	-	0.0	-	-	-	-	-	2.8	-	-
127.0	80.0	-	-	-	0.0	-	-	-	-	-	8.6	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-
130.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	0.0	0.0	-	-	-	-	5.6	-	-
133.0	40.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	–
133.0	60.0	0.0	–	–	–	–	–	2.8	–	–	0.0	–	–
137.0	35.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	–
137.0	55.0	–	–	–	0.0	–	–	0.0	–	–	13.6	–	–
137.0	60.0	0.0	–	–	0.0	–	–	0.0	–	–	11.3	–	–
147.0	55.0	–	–	–	–	–	–	–	–	–	2.6	–	–

Diplophos taenia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	35.0	–	–	–	0.0	0.0	3.1	0.0	–	–	0.0	0.0	0.0
107.0	90.0	–	–	–	0.0	0.0	–	0.0	–	–	2.5	–	–
113.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	3.0	–	–
127.0	80.0	–	–	–	0.0	–	–	–	–	–	5.7	–	–
130.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
140.0	55.0	–	–	–	–	–	–	–	–	–	3.0	–	–
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	2.0	–	–
143.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
143.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
143.0	50.0	2.9	–	–	–	–	–	–	–	–	14.0	–	–
143.0	55.0	–	–	–	–	–	–	–	–	–	2.8	–	–
147.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
147.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
147.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
147.0	45.0	–	–	–	–	–	–	–	–	–	19.9	–	–
147.0	50.0	–	–	–	–	–	–	–	–	–	7.9	–	–
147.0	60.0	–	–	–	–	–	–	–	–	–	2.8	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	8.6	–	–
150.0	30.0	0.0	32.3	0.0	–	–	–	–	–	–	0.0	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	2.8	–	–
150.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	7.6	–	–
150.0	45.0	–	–	–	–	–	–	–	–	–	10.9	–	–
150.0	50.0	–	–	–	–	–	–	–	–	–	2.7	–	–
150.0	55.0	–	–	–	–	–	–	–	–	–	5.5	–	–
153.0	35.0	–	–	–	–	–	–	–	–	–	2.7	–	–
153.0	40.0	4.4	–	–	–	–	–	–	–	–	0.0	–	–
157.0	20.0	57.1	–	–	–	–	–	–	–	–	–	–	–

Ichthyococcus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	80.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	2.9	0.0
97.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	–
100.0	55.0	–	–	–	0.0	0.0	6.2	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Ichthyococcus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	60.0	0.0	0.0	0.0	10.3	5.4	0.0	0.0	-	-	0.0	-	-
103.0	90.0	-	-	-	0.0	2.9	-	0.0	-	-	0.0	-	-
107.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	2.9	0.0	7.7	0.0	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	0.0	3.7	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.5	-	-
113.0	35.0	0.0	0.0	3.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	2.9	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	45.0	-	0.0	3.3	3.4	0.0	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	5.3	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	5.9	0.0	0.0	0.0	-	-	-	-	-
117.0	35.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
117.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	0.0	0.0	2.3	0.0	-	-	-	-	-
117.0	80.0	-	-	-	0.0	0.0	-	0.0	-	-	1.9	-	-
120.0	80.0	0.0	0.0	0.0	0.0	4.0	0.0	2.5	-	-	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	8.3	0.0	0.0	-	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-	-
123.0	80.0	-	-	-	0.0	-	-	-	-	-	3.3	-	-
127.0	34.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-

Vinciguerria lucetia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	80.0	-	-	-	3.3	0.0	0.0	0.0	-	-	0.0	-	-
70.0	100.0	-	-	-	0.0	-	-	5.6	-	-	-	0.0	-
73.0	80.0	-	-	-	0.0	0.0	2.9	0.0	-	-	0.0	-	-
77.0	60.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	5.7	-	-
77.0	80.0	-	-	-	5.6	0.0	0.0	2.7	-	-	0.0	-	-
77.0	85.0	-	-	-	0.0	-	-	30.7	-	-	-	-	-
77.0	90.0	-	-	0.0	9.7	0.0	0.0	165.2	-	-	-	3.0	-
80.0	51.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	55.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	-	-	2.8	0.0	0.0
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	13.0	0.0	0.0
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	44.7	-	2.5
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	57.2	-	2.5
80.0	85.0	-	-	-	0.0	-	-	7.6	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 90.0	–	0.0	0.0	0.0	0.0	0.0	14.8	–	–	23.3	–	–
80.0 100.0	–	–	–	2.1	–	–	–	–	–	–	–	–
80.0 130.0	–	–	–	2.8	–	–	–	–	–	–	–	–
80.0 145.0	–	–	–	2.7	–	–	–	–	–	–	–	–
83.0 60.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	2.8	0.0	5.4
83.0 65.0	–	–	–	0.0	0.0	2.9	0.0	–	–	–	–	–
83.0 70.0	0.0	–	0.0	0.0	0.0	0.0	3.0	–	–	16.4	–	–
83.0 75.0	–	–	–	0.0	0.0	0.0	6.4	–	–	–	–	–
83.0 80.0	–	–	0.0	0.0	0.0	0.0	24.6	–	–	15.8	–	–
83.0 85.0	–	–	–	–	0.0	2.9	6.7	–	–	–	–	–
83.0 90.0	–	–	–	–	0.0	0.0	19.3	–	–	8.5	–	–
87.0 55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	11.2	–	0.0
87.0 60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.7	0.0	43.2
87.0 70.0	–	0.0	0.0	0.0	2.3	3.1	0.0	–	–	174.2	–	–
87.0 75.0	–	–	–	2.9	0.0	2.7	3.3	–	–	–	–	–
87.0 80.0	–	0.0	0.0	0.0	0.0	72.8	9.0	–	–	30.7	–	–
87.0 85.0	–	–	–	–	2.8	35.1	118.8	–	–	–	–	–
87.0 90.0	–	–	–	–	0.0	16.1	80.3	–	–	42.3	–	–
90.0 28.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	0.0	0.0
90.0 30.0	–	2.9	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	–
90.0 37.0	–	–	0.0	3.2	0.0	0.0	0.0	–	0.0	0.0	0.0	2.9
90.0 45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	3.3	0.0	8.2
90.0 50.0	–	0.0	0.0	–	0.0	0.0	0.0	–	0.0	5.8	0.0	0.0
90.0 55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	19.8	4.1	0.0	0.0
90.0 60.0	–	9.6	0.0	0.0	0.0	0.0	0.0	–	126.5	90.4	0.0	0.0
90.0 65.0	–	–	–	0.0	0.0	0.0	0.0	–	459.8	–	–	–
90.0 70.0	–	5.2	3.1	3.3	0.0	12.4	–	–	426.8	328.7	0.0	12.8
90.0 75.0	–	–	–	18.6	0.0	60.3	0.0	–	–	–	–	–
90.0 80.0	–	2.7	0.0	–	0.0	22.6	92.3	–	–	115.2	8.8	34.2
90.0 85.0	–	–	–	0.0	6.4	31.5	19.5	–	–	–	–	–
90.0 90.0	–	23.9	0.0	0.0	0.0	33.1	532.4	–	–	91.0	–	–
90.0 100.0	–	–	–	14.0	–	–	–	–	–	–	–	–
90.0 110.0	–	–	–	35.9	–	–	–	–	–	–	–	–
90.0 130.0	–	–	–	56.9	–	–	–	–	–	–	–	–
90.0 145.0	–	–	–	16.4	–	–	–	–	–	–	–	–
93.0 27.0	0.0	0.0	0.0	2.9	0.0	0.0	3.5	–	0.0	0.0	0.0	0.0
93.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	6.5	2.5	5.1
93.0 45.0	–	3.1	0.0	–	0.0	3.4	0.0	–	2.9	12.4	–	–
93.0 50.0	0.0	3.2	0.0	0.0	13.1	0.0	0.0	–	3.7	4.8	0.0	0.0
93.0 55.0	–	–	–	5.6	0.0	0.0	0.0	–	6.3	10.2	–	–
93.0 60.0	0.0	3.1	0.0	9.5	8.4	0.0	0.0	–	30.8	11.3	0.0	0.0
93.0 65.0	–	–	–	17.7	24.4	3.3	0.0	–	134.2	–	–	–
93.0 70.0	5.2	–	0.0	28.1	55.1	6.4	0.0	–	272.3	286.7	28.5	59.2
93.0 75.0	–	–	–	–	68.6	62.2	437.6	–	–	–	–	–
93.0 80.0	10.6	2.8	0.0	28.1	17.3	63.5	825.6	–	–	321.3	115.6	98.4
93.0 85.0	–	–	–	–	12.3	34.1	119.0	–	–	–	–	–

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	90.0	-	-	-	-	0.0	64.7	293.0	-	-	216.6	-	-
93.0	145.0	-	-	-	51.5	-	-	-	-	-	-	-	-
97.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.4	0.0	0.0
97.0	35.0	-	-	-	0.0	0.0	0.0	0.0	-	-	0.0	2.7	0.0
97.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	22.2	2.5	0.0
97.0	45.0	-	11.4	0.0	0.0	19.7	0.0	0.0	-	-	3.2	-	-
97.0	50.0	-	30.1	0.0	2.7	3.0	0.0	0.0	-	-	5.9	34.6	0.0
97.0	55.0	-	-	-	9.0	0.0	0.0	0.0	-	-	13.7	-	-
97.0	60.0	0.0	8.9	3.7	0.0	16.1	0.0	0.0	-	-	0.0	171.5	59.2
97.0	65.0	-	-	-	9.6	0.0	15.1	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	10.8	13.5	40.4	268.5	82.9	-	-	323.6	-	-
97.0	75.0	-	-	-	3.2	18.5	38.4	15.7	-	-	-	-	-
97.0	80.0	3.5	6.1	0.0	3.2	6.8	33.1	90.0	-	-	30.6	-	-
97.0	85.0	-	-	-	-	3.0	48.3	61.1	-	-	-	-	-
97.0	90.0	-	-	-	-	2.7	29.6	261.8	-	-	37.0	-	-
100.0	29.0	-	-	-	0.0	0.0	0.0	-	-	-	4.0	0.0	0.0
100.0	35.0	-	-	-	0.0	2.6	-	0.0	-	-	0.0	0.0	2.8
100.0	40.0	0.0	0.0	3.3	6.4	0.0	0.0	0.0	-	-	2.3	0.0	0.0
100.0	45.0	-	-	0.0	18.1	0.0	8.7	0.0	-	-	0.0	-	-
100.0	50.0	0.0	31.1	7.1	-	0.0	3.0	8.5	-	-	-	0.0	2.5
100.0	55.0	-	-	-	21.7	0.0	58.9	104.5	-	-	8.5	-	-
100.0	60.0	9.3	12.4	10.4	44.8	5.7	30.1	77.7	-	-	-	103.0	0.0
100.0	65.0	-	-	-	19.1	11.4	152.5	582.0	-	-	-	-	-
100.0	70.0	0.0	0.0	11.0	15.1	15.3	43.0	188.5	-	-	161.3	-	-
100.0	75.0	-	-	-	0.0	49.6	19.1	233.0	-	-	-	-	-
100.0	80.0	13.8	6.3	0.0	3.0	59.2	278.1	307.9	-	-	324.8	-	-
100.0	85.0	-	-	-	18.5	9.1	158.2	2176.6	-	-	-	-	-
100.0	90.0	32.2	9.3	10.8	3.0	18.4	143.0	1188.6	-	-	438.2	-	-
100.0	110.0	-	-	-	2.9	-	-	-	-	-	-	-	-
100.0	120.0	-	-	-	50.6	-	-	-	-	-	-	-	-
100.0	130.0	-	-	-	8.0	-	-	-	-	-	-	-	-
103.0	32.0	-	-	-	-	-	-	-	-	-	7.1	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	184.3	-	-
103.0	40.0	0.0	0.0	3.8	30.1	7.2	0.0	2.8	-	-	186.9	-	-
103.0	45.0	-	-	0.0	9.1	0.0	3.1	5.0	-	-	35.4	-	-
103.0	50.0	0.0	12.2	0.0	9.1	65.8	95.4	39.8	-	-	6.5	-	-
103.0	55.0	-	-	-	137.8	297.6	225.6	47.3	-	-	30.6	-	-
103.0	60.0	11.8	21.4	35.3	174.9	37.9	147.4	5.1	-	-	13.1	-	-
103.0	65.0	-	-	-	53.9	9.0	-	4.8	-	-	-	-	-
103.0	70.0	22.8	15.2	3.5	3.4	11.2	-	0.0	-	-	64.2	-	-
103.0	75.0	-	-	-	6.4	33.7	-	5.7	-	-	-	-	-
103.0	80.0	-	-	-	37.5	36.8	-	20.8	-	-	50.2	-	-
103.0	85.0	-	-	-	13.6	84.5	-	826.5	-	-	-	-	-
103.0	90.0	-	-	-	66.2	607.7	-	614.1	-	-	65.8	-	-
107.0	32.0	0.0	3.7	0.0	4.5	-	0.0	0.0	-	-	11.7	-	-
107.0	35.0	3.0	0.0	0.0	0.0	0.0	3.1	2.7	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	40.0	0.0	6.3	0.0	0.0	0.0	2.8	33.1	–	–	22.1	–	–
107.0	45.0	–	–	0.0	0.0	0.0	0.0	11.0	–	–	57.0	–	–
107.0	50.0	7.2	11.6	0.0	11.6	0.0	0.0	2.7	–	–	387.1	–	–
107.0	55.0	–	–	–	91.8	83.5	0.0	0.0	–	–	615.6	–	–
107.0	60.0	–	2.9	14.6	152.6	157.0	0.0	0.0	–	–	305.2	–	–
107.0	65.0	–	–	–	79.6	138.9	–	0.0	–	–	–	–	–
107.0	70.0	26.2	9.5	10.7	45.8	78.8	–	0.0	–	–	22.1	–	–
107.0	75.0	–	–	–	3.2	79.4	–	0.0	–	–	–	–	–
107.0	80.0	–	–	–	51.8	76.4	–	2.8	–	–	34.6	–	–
107.0	85.0	–	–	–	1188.7	99.3	–	13.7	–	–	–	–	–
107.0	90.0	–	–	–	58.2	254.0	–	46.0	–	–	218.4	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.7	–	–
110.0	35.0	6.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	6.3	39.6	3.8	0.0	3.0	0.0	11.4	0.0	6.5	2.6	–	–
110.0	45.0	–	–	26.5	0.0	0.0	6.5	11.3	–	–	12.0	–	–
110.0	50.0	152.8	23.0	6.3	0.0	0.0	6.5	2.4	–	–	6.6	–	–
110.0	55.0	–	–	–	24.0	0.0	0.0	0.0	–	–	74.6	–	–
110.0	60.0	95.9	9.6	3.2	22.7	9.1	0.0	0.0	–	–	167.6	–	–
110.0	65.0	–	–	–	3.2	71.9	–	0.0	–	–	–	–	–
110.0	70.0	2.8	39.3	0.0	52.2	29.6	6.4	0.0	–	–	187.6	–	–
110.0	75.0	–	–	–	18.2	23.0	0.0	0.0	–	–	–	–	–
110.0	80.0	36.5	13.8	6.2	25.5	112.9	9.3	0.0	–	–	37.3	–	–
110.0	85.0	–	–	–	100.8	35.2	–	–	–	–	–	–	–
110.0	90.0	18.9	2.8	3.1	50.6	59.7	–	–	–	–	430.8	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	–	–
113.0	35.0	0.0	5.5	12.5	0.0	0.0	0.0	0.0	0.0	3.6	29.9	–	–
113.0	40.0	7.0	38.0	0.0	0.0	0.0	0.0	–	0.0	6.2	35.8	–	–
113.0	45.0	–	27.9	3.3	13.6	83.2	0.0	0.0	–	–	47.0	–	–
113.0	50.0	3.4	13.3	0.0	0.0	228.1	0.0	11.8	–	–	40.9	–	–
113.0	55.0	–	–	–	0.0	326.6	0.0	3.2	–	–	41.4	–	–
113.0	60.0	22.8	5.3	6.2	0.0	56.6	317.5	0.0	–	–	47.5	–	–
113.0	65.0	–	–	–	44.0	55.2	30.2	0.0	–	–	–	–	–
113.0	70.0	115.9	–	3.3	310.1	33.0	50.5	0.0	–	–	207.5	–	–
113.0	75.0	–	–	–	78.9	32.1	–	35.8	–	–	–	–	–
113.0	80.0	–	–	–	49.3	18.0	–	64.5	–	–	40.5	–	–
113.0	85.0	–	–	–	20.2	119.7	–	–	–	–	–	–	–
113.0	90.0	–	–	–	0.0	63.8	–	–	–	–	37.8	–	–
117.0	26.0	18.8	5.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	13.5	–	–
117.0	40.0	123.8	3.2	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.3	–	–
117.0	45.0	–	–	28.5	25.8	0.0	0.0	0.0	–	–	97.2	–	–
117.0	50.0	50.6	0.0	15.7	144.5	39.9	0.0	0.0	–	–	258.7	–	–
117.0	55.0	–	–	–	331.6	0.0	6.1	0.0	–	–	151.1	–	–
117.0	60.0	17.6	2.9	69.4	273.6	172.8	56.8	0.0	–	–	74.2	–	–
117.0	65.0	–	–	–	131.6	735.2	98.5	9.5	–	–	–	–	–

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	70.0	77.0	–	0.0	132.3	180.5	209.1	18.5	–	–	12.4	–	–
117.0	75.0	–	–	–	81.6	37.6	–	145.9	–	–	–	–	–
117.0	80.0	–	–	–	28.9	118.0	–	394.4	–	–	104.2	–	–
117.0	85.0	–	–	–	112.5	47.3	–	–	–	–	–	–	–
117.0	90.0	–	–	–	6.0	33.8	–	–	–	–	136.8	–	–
118.0	39.0	19.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	12.8	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	–	–
120.0	35.0	0.0	0.0	0.0	144.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	40.0	–	5.4	0.0	0.0	0.0	1.9	0.0	0.0	–	0.0	–	–
120.0	45.0	23.9	103.0	0.0	0.0	0.0	0.0	3.3	0.0	15.7	3.0	–	–
120.0	50.0	225.0	9.4	0.0	28.7	11.0	3.0	0.0	–	–	275.5	–	–
120.0	55.0	–	–	–	19.6	4.3	45.0	3.1	–	–	175.8	–	–
120.0	60.0	3.7	14.2	17.3	26.8	51.9	21.2	–	–	–	175.2	–	–
120.0	65.0	–	–	–	12.4	0.0	55.7	23.8	–	–	–	–	–
120.0	70.0	26.8	6.4	3.1	0.0	112.3	87.9	232.4	–	–	11.9	–	–
120.0	75.0	–	–	–	9.3	24.9	176.7	155.6	–	–	–	–	–
120.0	80.0	65.3	35.9	0.0	96.1	115.4	215.1	378.5	–	–	15.2	–	–
120.0	85.0	–	–	–	16.4	80.1	117.0	85.9	–	–	–	–	–
120.0	90.0	–	8.0	5.5	70.0	276.7	63.6	285.3	–	–	38.5	–	–
123.0	37.0	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.5	5.8	–	–
123.0	42.0	24.8	34.4	20.6	42.0	0.0	0.0	2.9	40.7	214.6	11.6	–	–
123.0	45.0	–	–	–	22.8	–	–	9.5	137.2	–	56.3	–	–
123.0	50.0	11.8	273.4	54.2	0.0	6.6	0.0	18.1	–	–	75.2	–	–
123.0	55.0	–	–	–	9.8	24.1	30.8	0.0	–	–	257.3	–	–
123.0	60.0	485.0	50.8	5.4	3.0	109.2	189.2	5.9	–	–	19.6	–	–
123.0	70.0	10.0	–	–	18.6	–	–	84.4	–	–	45.8	–	–
123.0	80.0	–	–	–	31.5	–	–	–	–	–	174.2	–	–
127.0	34.0	29.4	30.7	0.0	0.0	0.0	0.0	0.0	0.0	2.8	58.6	–	–
127.0	40.0	6.9	0.0	0.0	21.5	4.3	2.7	0.0	0.0	137.9	30.9	–	–
127.0	45.0	–	2.7	0.0	–	30.6	–	3.0	254.8	122.2	226.5	–	–
127.0	50.0	147.6	41.0	31.4	11.6	79.6	187.2	121.8	–	–	114.0	–	–
127.0	55.0	–	–	–	165.7	41.1	–	49.0	–	–	11.6	–	–
127.0	60.0	5.7	153.4	5.9	37.1	16.3	–	23.5	–	–	–	–	–
127.0	70.0	136.3	–	–	77.6	–	–	–	–	–	2.8	–	–
127.0	80.0	–	–	–	31.6	–	–	–	–	–	28.7	–	–
130.0	30.0	11.2	5.0	27.2	0.0	0.0	0.0	0.0	2.8	2.9	11.0	–	–
130.0	35.0	25.7	10.5	0.0	0.0	3.8	0.0	0.0	0.0	12.5	39.5	–	–
130.0	40.0	3.0	50.2	0.0	2.8	0.0	0.0	36.2	46.1	111.7	48.1	–	–
130.0	45.0	–	21.9	27.4	39.8	33.4	6.9	10.5	132.3	499.1	41.9	–	–
130.0	50.0	3.0	42.0	23.9	138.5	271.7	39.8	5.6	–	–	43.8	–	–
130.0	55.0	–	–	–	73.0	8.1	–	–	–	–	11.3	–	–
130.0	60.0	0.0	54.1	23.6	8.6	61.9	–	17.8	–	–	7.9	–	–
130.0	70.0	–	–	–	3.3	–	–	–	–	–	–	–	–
130.0	80.0	–	–	–	45.3	–	–	–	–	–	–	–	–
133.0	25.0	2.3	0.0	0.0	40.9	0.0	0.0	0.0	3.0	0.0	0.0	–	–
133.0	30.0	23.6	5.7	27.7	21.7	0.0	0.0	0.0	90.4	5.6	0.0	–	–

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	35.0	-	17.9	40.4	-	44.3	0.0	15.3	-	-	63.7	-	-
133.0	40.0	27.6	208.2	26.2	23.6	54.1	11.3	37.2	-	-	55.1	-	-
133.0	45.0	-	-	-	27.2	0.0	10.7	8.1	-	-	29.4	-	-
133.0	50.0	16.1	0.0	36.8	43.2	108.5	49.7	27.9	-	-	2.9	-	-
133.0	55.0	-	-	-	34.3	-	-	3.0	-	-	5.3	-	-
133.0	60.0	8.8	-	-	-	-	-	172.0	-	-	19.2	-	-
133.0	70.0	-	-	-	43.2	-	-	-	-	-	-	-	-
133.0	80.0	-	-	-	21.6	-	-	-	-	-	-	-	-
137.0	23.0	0.0	0.0	5.7	0.0	0.0	1.9	0.0	2.9	205.3	33.3	-	-
137.0	30.0	0.0	22.9	66.0	0.0	0.0	0.0	0.0	6.1	97.5	0.0	-	-
137.0	35.0	0.0	5.5	28.6	71.3	41.0	0.0	90.2	-	-	5.5	-	-
137.0	40.0	11.7	52.0	34.7	25.9	35.5	130.2	2.5	-	-	11.2	-	-
137.0	45.0	-	-	-	27.4	58.9	0.0	0.0	-	-	40.9	-	-
137.0	50.0	23.4	25.8	3.2	6.2	63.2	34.3	42.3	-	-	85.1	-	-
137.0	55.0	-	-	-	18.5	-	-	68.5	-	-	122.4	-	-
137.0	60.0	31.0	-	-	16.3	-	-	218.7	-	-	76.4	-	-
137.0	70.0	-	-	-	21.2	-	-	-	-	-	-	-	-
137.0	80.0	-	-	-	37.8	-	-	-	-	-	-	-	-
140.0	30.0	21.8	8.8	57.0	-	-	-	-	-	-	85.7	-	-
140.0	35.0	13.6	9.0	32.9	-	-	-	-	-	-	64.6	-	-
140.0	40.0	2.7	17.8	71.1	-	-	-	-	-	-	10.8	-	-
140.0	45.0	-	-	-	-	-	-	-	-	-	18.6	-	-
140.0	50.0	0.0	5.3	6.7	-	-	-	-	-	-	32.6	-	-
140.0	55.0	-	-	-	-	-	-	-	-	-	39.1	-	-
140.0	60.0	38.7	-	-	-	-	-	-	-	-	42.0	-	-
143.0	26.0	0.0	13.1	15.2	-	-	-	-	-	-	4.1	-	-
143.0	30.0	3.1	147.1	114.8	-	-	-	-	-	-	16.6	-	-
143.0	35.0	0.0	92.3	37.6	-	-	-	-	-	-	55.4	-	-
143.0	40.0	21.3	103.5	151.5	-	-	-	-	-	-	105.6	-	-
143.0	50.0	49.6	-	-	-	-	-	-	-	-	72.2	-	-
143.0	55.0	-	-	-	-	-	-	-	-	-	76.9	-	-
143.0	60.0	65.5	-	-	-	-	-	-	-	-	5.6	-	-
147.0	20.0	17.9	12.4	7.2	-	-	-	-	-	-	95.2	-	-
147.0	25.0	5.4	12.0	40.8	-	-	-	-	-	-	47.3	-	-
147.0	30.0	60.2	515.2	68.0	-	-	-	-	-	-	14.0	-	-
147.0	35.0	-	-	-	-	-	-	-	-	-	10.6	-	-
147.0	40.0	0.0	356.2	42.7	-	-	-	-	-	-	28.9	-	-
147.0	45.0	-	-	-	-	-	-	-	-	-	28.5	-	-
147.0	50.0	-	-	-	-	-	-	-	-	-	104.8	-	-
147.0	55.0	-	-	-	-	-	-	-	-	-	51.8	-	-
147.0	60.0	-	-	-	-	-	-	-	-	-	52.3	-	-
150.0	19.0	8.1	22.6	5.6	-	-	-	-	-	-	0.0	-	-
150.0	25.0	24.4	4.2	37.5	-	-	-	-	-	-	54.5	-	-
150.0	30.0	13.5	42.0	12.4	-	-	-	-	-	-	67.0	-	-
150.0	35.0	-	-	-	-	-	-	-	-	-	72.3	-	-
150.0	40.0	14.8	75.9	0.0	-	-	-	-	-	-	114.3	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
150.0	45.0	–	–	–	–	–	–	–	–	–	5.5	–	–
150.0	50.0	–	–	–	–	–	–	–	–	–	18.8	–	–
150.0	55.0	–	–	–	–	–	–	–	–	–	11.1	–	–
150.0	60.0	–	–	–	–	–	–	–	–	–	14.0	–	–
153.0	16.0	13.4	–	–	–	–	–	–	–	–	44.8	–	–
153.0	20.0	47.1	–	–	–	–	–	–	–	–	3.0	–	–
153.0	25.0	–	–	–	–	–	–	–	–	–	23.9	–	–
153.0	30.0	26.2	–	–	–	–	–	–	–	–	11.6	–	–
153.0	35.0	–	–	–	–	–	–	–	–	–	8.1	–	–
153.0	40.0	77.0	–	–	–	–	–	–	–	–	52.4	–	–
153.0	45.0	–	–	–	–	–	–	–	–	–	93.9	–	–
153.0	50.0	114.0	–	–	–	–	–	–	–	–	48.3	–	–
153.0	55.0	–	–	–	–	–	–	–	–	–	20.5	–	–
153.0	60.0	–	–	–	–	–	–	–	–	–	27.7	–	–
153.0	70.0	–	–	–	–	–	–	–	–	–	8.5	–	–
153.0	80.0	–	–	–	–	–	–	–	–	–	109.9	–	–
157.0	10.0	192.6	–	–	–	–	–	–	–	–	–	–	–
157.0	20.0	373.4	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	64.3	–	–	–	–	–	–	–	–	–	–	–
157.0	40.0	97.3	–	–	–	–	–	–	–	–	–	–	–
157.0	50.0	81.5	–	–	–	–	–	–	–	–	–	–	–

Sternoptychidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	70.0	–	–	–	0.0	0.0	0.0	0.0	–	–	3.3	–	–
77.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	–	3.0	–
80.0	85.0	–	–	–	0.0	–	–	3.8	–	–	–	–	–
80.0	90.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
82.0	47.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	40.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
87.0	85.0	–	–	–	–	0.0	0.0	3.6	–	–	–	–	–
90.0	30.0	–	2.9	3.6	15.5	0.0	0.0	0.0	–	0.0	0.0	0.0	–
90.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0	5.1
90.0	80.0	–	0.0	0.0	–	0.0	0.0	3.4	–	–	0.0	0.0	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
93.0	55.0	–	–	–	0.0	2.7	0.0	0.0	–	0.0	0.0	–	–
93.0	65.0	–	–	–	0.0	0.0	0.0	0.0	–	1.4	–	–	–
93.0	75.0	–	–	–	–	3.6	0.0	0.0	–	–	–	–	–
93.0	85.0	–	–	–	–	3.1	3.1	0.0	–	–	–	–	–
93.0	90.0	–	–	–	–	3.3	0.0	0.0	–	–	0.0	–	–
97.0	30.0	–	0.0	0.0	0.0	0.0	0.0	1.6	–	–	0.0	0.0	0.0
97.0	35.0	–	–	–	0.0	5.9	0.0	0.0	–	–	0.0	0.0	0.0
97.0	55.0	–	–	–	3.0	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.7
97.0	70.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	6.5	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	0.0	2.3	3.0	0.0	-	-	2.8	-	-
100.0	40.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	0.0	2.7	-	-	0.0	-	-
100.0	60.0	0.0	3.1	0.0	0.0	0.0	3.0	0.0	-	-	-	0.0	0.0
100.0	70.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-	-	0.0	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	-
103.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	2.9	-	-
103.0	90.0	-	-	-	0.0	5.8	-	0.0	-	-	0.0	-	-
107.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	0.0	4.4	3.2	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	0.0	13.4	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	0.0	3.3	3.1	0.0	-	-	0.0	-	-
107.0	80.0	-	-	-	0.0	2.7	-	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	2.5	-	0.0	-	-	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-	-
110.0	45.0	-	-	3.3	0.0	0.0	0.0	5.7	-	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.5	-	-
110.0	90.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	0.0	-	-
113.0	35.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	2.7	0.0	0.0	0.0	-	-	3.0	-	-
113.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	0.0	0.0	3.0	0.0	-	-	0.0	-	-
118.0	39.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	45.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	0.0	0.0	3.7	0.0	3.1	-	-	0.0	-	-
120.0	60.0	7.3	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	-	-	0.0	-	-
123.0	42.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	0.0	-	-	0.0	0.0	-	3.1	-	-
123.0	50.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	3.4	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	3.4	-	-
127.0	45.0	-	0.0	3.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	60.0	0.0	0.0	0.0	2.9	0.0	–	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	2.5	0.0	0.0	0.0	–	–	0.0	–	–
137.0	35.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	–
137.0	45.0	–	–	–	0.0	0.0	0.0	2.6	–	–	0.0	–	–
140.0	40.0	0.0	0.0	6.2	–	–	–	–	–	–	0.0	–	–
147.0	55.0	–	–	–	–	–	–	–	–	–	2.6	–	–
150.0	30.0	0.0	3.2	0.0	–	–	–	–	–	–	0.0	–	–
157.0	20.0	3.8	–	–	–	–	–	–	–	–	–	–	–

Chauliodus macouni

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	55.0	–	–	–	–	–	–	3.0	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	9.1	–	–	–	–	–
43.0	55.0	–	–	–	–	–	–	6.6	–	–	–	–	–
43.0	90.0	–	–	–	–	–	–	2.9	–	–	–	–	–
47.0	55.0	–	–	0.0	–	–	–	3.0	–	–	–	–	–
50.0	47.0	–	–	–	–	–	2.9	–	–	–	–	–	–
50.0	60.0	–	–	–	–	–	2.4	–	–	–	–	–	–
50.0	70.0	–	–	–	–	–	–	3.2	–	–	–	–	–
50.0	90.0	–	–	–	–	–	–	5.6	–	–	–	–	–
53.0	60.0	–	–	–	–	–	0.0	3.3	–	–	–	–	–
57.0	60.0	–	–	–	–	–	0.0	2.8	–	–	–	–	–
60.0	60.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	0.0	–
60.0	70.0	–	–	–	0.0	0.0	3.1	5.7	–	–	–	0.0	–
60.0	80.0	–	–	–	0.0	0.0	0.0	3.2	–	–	–	0.0	–
60.0	90.0	–	–	–	3.4	0.0	0.0	0.0	–	–	–	0.0	–
63.0	60.0	0.0	–	–	–	0.0	0.0	3.1	–	–	0.0	–	–
63.0	70.0	–	–	–	–	0.0	0.0	3.5	–	–	0.0	–	–
63.0	90.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
67.0	70.0	–	–	–	3.6	0.0	0.0	0.0	–	–	0.0	–	–
67.0	90.0	–	–	–	11.0	0.0	0.0	0.0	–	–	–	–	–
70.0	52.0	–	–	0.0	0.0	2.6	0.0	3.0	–	–	–	–	–
70.0	60.0	–	–	3.2	6.7	0.0	0.0	0.0	–	–	0.0	–	–
70.0	65.0	–	–	–	0.0	–	–	3.0	–	–	0.0	–	–
70.0	70.0	0.0	–	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0	80.0	0.0	–	0.0	6.8	0.0	0.0	0.0	–	–	0.0	–	–
70.0	100.0	–	–	–	0.0	–	–	2.8	–	–	–	0.0	–
73.0	55.0	0.0	–	0.0	0.0	0.0	2.8	0.0	–	–	0.0	–	–
73.0	80.0	–	–	–	0.0	0.0	5.9	0.0	–	–	0.0	–	–
73.0	85.0	–	–	–	5.8	–	–	–	–	–	–	–	–
77.0	55.0	0.0	0.0	–	0.0	8.1	0.0	3.3	–	–	0.0	–	–
77.0	60.0	0.0	0.0	–	3.2	0.0	0.0	2.6	–	–	0.0	–	–
77.0	80.0	–	–	–	5.6	2.7	0.0	0.0	–	–	0.0	–	–
80.0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	7.0	-	-	0.0	0.0	0.0
80.0	65.0	-	-	-	0.0	-	-	4.1	-	-	-	-	-
80.0	70.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	80.0	0.0	0.0	0.0	0.0	2.8	2.7	0.0	-	-	0.0	-	0.0
83.0	60.0	3.0	-	0.0	0.0	3.1	0.0	3.2	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
83.0	70.0	3.0	-	0.0	0.0	6.1	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	0.0	7.6	0.0	3.2	-	-	-	-	-
83.0	85.0	-	-	-	-	3.2	5.9	0.0	-	-	-	-	-
87.0	65.0	-	-	-	0.0	0.0	3.1	0.0	-	-	-	-	-
87.0	70.0	-	0.0	0.0	0.0	2.3	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	0.0	0.0	0.0	3.3	-	-	-	-	-
87.0	85.0	-	-	-	-	2.8	3.2	0.0	-	-	-	-	-
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	6.0	-	0.0	0.0	0.0	2.9
90.0	65.0	-	-	-	0.0	0.0	0.0	3.3	-	0.0	-	-	-
90.0	70.0	-	0.0	3.1	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	0.0	3.3	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.7	0.0	0.0
93.0	90.0	-	-	-	-	3.3	0.0	0.0	-	-	0.0	-	-
97.0	35.0	-	-	-	0.0	0.0	3.1	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	1.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	45.0	-	-	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-	0.0	-	-

Idiacanthus antrostomus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	80.0	-	-	-	-	0.0	0.0	0.0	-	-	2.7	-	-
63.0	100.0	-	-	-	-	-	-	-	-	-	-	4.8	-
70.0	100.0	-	-	-	0.0	-	-	0.0	-	-	-	5.8	-
77.0	70.0	-	-	-	0.0	0.0	0.0	0.0	-	-	3.3	-	-
77.0	90.0	-	-	0.0	0.0	0.0	0.0	16.2	-	-	-	0.0	-
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	0.0	0.0
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.8	0.0
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	9.6	-	2.5
83.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
83.0	80.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	5.3	-	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.9	0.0
87.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.3	-	-
87.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	-
87.0	90.0	-	-	-	-	0.0	0.0	0.0	-	-	2.5	-	-

TABLE 4. (cont.)

Idiacanthus antrostomus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	2.7
90.0	50.0	–	0.0	0.0	–	0.0	0.0	0.0	–	0.0	0.0	2.2	0.0
90.0	55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	7.7	0.0	0.0	0.0
90.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	5.6	0.0
90.0	65.0	–	–	–	0.0	0.0	0.0	0.0	–	1.4	–	–	–
90.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	–	1.3	0.0	0.0	0.0
90.0	80.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	0.0	11.8	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	5.2	–	–
93.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	1.8	0.0	0.0	0.0
97.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	0.0	0.0
97.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	2.7
97.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.2	–	–
103.0	50.0	3.1	0.0	0.0	0.0	0.0	2.9	0.0	–	–	0.0	–	–
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.5	–	–
123.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.3	–	–

Aristostomias scintillans

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	130.0	–	–	–	6.3	–	–	–	–	–	–	–	–
93.0	80.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	0.0	0.0
97.0	80.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	–	–	0.0	–	–
100.0	50.0	0.0	2.4	0.0	–	0.0	0.0	0.0	–	–	–	0.0	0.0
100.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	0.0	0.0
100.0	90.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	60.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	75.0	–	–	–	3.2	0.0	–	0.0	–	–	–	–	–
107.0	60.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	–
110.0	70.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–	0.0	–	–
147.0	30.0	0.0	2.8	0.0	–	–	–	–	–	–	0.0	–	–

Bathophilus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	70.0	0.0	0.0	3.6	0.0	0.0	–	0.0	–	–	0.0	–	–
143.0	50.0	2.9	–	–	–	–	–	–	–	–	0.0	–	–
150.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	5.1	–	–
153.0	80.0	–	–	–	–	–	–	–	–	–	2.7	–	–

Tactostoma macropus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	80.0	–	–	–	–	–	–	21.2	–	–	–	–	–

TABLE 4. (cont.)

Tactostoma macropus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0 90.0	-	-	0.0	0.0	0.0	0.0	3.2	-	-	-	0.0	-

Stomias atriventer

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0 100.0	-	-	-	-	-	-	-	-	-	-	2.4	-
70.0 55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	3.0	-	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.5
80.0 80.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	0.0	-	0.0
83.0 51.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0 70.0	-	0.0	0.0	3.7	0.0	0.0	0.0	-	-	0.0	-	-
87.0 80.0	-	0.0	0.0	0.0	0.0	3.3	0.0	-	-	0.0	-	-
87.0 85.0	-	-	-	-	0.0	3.2	0.0	-	-	-	-	-
90.0 55.0	-	3.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0 60.0	-	3.2	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0 75.0	-	-	-	7.0	0.0	0.0	0.0	-	-	-	-	-
90.0 80.0	-	0.0	0.0	-	3.1	3.2	0.0	-	-	0.0	2.9	0.0
93.0 30.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	0.0	0.0	0.0	0.0
93.0 45.0	-	0.0	0.0	-	2.5	0.0	0.0	-	0.0	0.0	-	-
93.0 50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0 55.0	-	-	-	0.0	2.7	0.0	0.0	-	0.0	0.0	-	-
93.0 60.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0 65.0	-	-	-	5.9	2.7	0.0	0.0	-	0.0	-	-	-
93.0 70.0	0.0	-	0.0	6.2	2.9	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0 75.0	-	-	-	-	7.2	0.0	0.0	-	-	-	-	-
93.0 80.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0 30.0	-	0.0	0.0	0.0	0.0	2.2	0.0	-	-	0.0	0.0	0.0
97.0 35.0	-	-	-	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0 40.0	-	1.5	0.0	0.0	2.7	0.0	0.0	-	-	0.0	0.0	0.0
97.0 50.0	-	7.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0 55.0	-	-	-	0.0	6.1	0.0	0.0	-	-	0.0	-	-
97.0 60.0	0.0	8.9	3.7	0.0	2.7	0.0	0.0	-	-	0.0	0.0	0.0
97.0 70.0	0.0	0.0	3.6	3.4	3.1	0.0	0.0	-	-	0.0	-	-
97.0 75.0	-	-	-	0.0	6.2	0.0	0.0	-	-	-	-	-
100.0 40.0	0.0	0.0	3.3	3.2	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0 45.0	-	-	0.0	3.0	3.1	0.0	0.0	-	-	0.0	-	-
100.0 50.0	0.0	4.8	0.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0 60.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0 65.0	-	-	-	0.0	0.0	6.1	0.0	-	-	-	-	-
100.0 70.0	0.0	0.0	0.0	3.0	3.1	0.0	0.0	-	-	0.0	-	-
100.0 75.0	-	-	-	3.0	0.0	0.0	0.0	-	-	-	-	-
100.0 80.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0 85.0	-	-	-	0.0	0.0	0.0	3.1	-	-	-	-	-
103.0 30.0	0.0	0.0	3.1	8.5	0.0	0.0	0.0	-	-	-	-	-
103.0 40.0	0.0	2.8	0.0	0.0	3.6	0.0	0.0	-	-	2.6	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	45.0	-	-	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	0.0	6.1	0.0	3.0	0.0	2.9	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	34.7	0.0	0.0	-	-	0.0	-	-
103.0	60.0	3.0	24.0	0.0	0.0	5.4	0.0	0.0	-	-	0.0	-	-
103.0	65.0	-	-	-	3.2	0.0	-	0.0	-	-	-	-	-
103.0	70.0	3.3	0.0	0.0	0.0	0.0	-	0.0	-	-	2.9	-	-
107.0	40.0	0.0	15.8	3.3	4.7	0.0	0.0	2.8	-	-	0.0	-	-
107.0	45.0	-	-	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	14.5	0.0	0.0	3.6	0.0	0.0	-	-	2.5	-	-
107.0	55.0	-	-	-	10.6	26.7	0.0	0.0	-	-	8.1	-	-
107.0	60.0	-	0.0	0.0	46.1	10.0	0.0	0.0	-	-	0.0	-	-
107.0	65.0	-	-	-	3.5	12.9	-	0.0	-	-	-	-	-
107.0	70.0	3.3	3.2	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-
110.0	33.0	0.0	0.0	3.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	5.5	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	25.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	-	-	0.0	0.0	6.1	0.0	0.0	-	-	0.0	-	-
110.0	50.0	8.5	8.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	60.0	16.4	0.0	3.2	11.4	0.0	0.0	0.0	-	-	0.0	-	-
110.0	65.0	-	-	-	0.0	6.5	-	0.0	-	-	-	-	-
110.0	70.0	2.8	0.0	0.0	3.3	0.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	35.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	2.9	0.0	2.3	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	45.0	-	2.8	13.1	88.4	3.2	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	47.7	3.2	6.3	0.0	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	5.3	0.0	0.0	0.0	-	-	0.0	-	-
113.0	60.0	5.7	0.0	3.1	17.2	0.0	2.5	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	5.9	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	6.4	-	3.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	6.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	8.6	0.0	0.0	0.0	0.0	-	-	2.3	-	-
117.0	50.0	9.5	19.7	15.7	8.7	0.0	0.0	0.0	-	-	4.5	-	-
117.0	60.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	-	-	2.3	-	-
117.0	70.0	3.1	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.0	39.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.5	30.0	-	-	-	-	-	-	-	3.1	0.0	-	-	-
120.0	35.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	3.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	23.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.5	-	-
120.0	55.0	-	-	-	14.0	4.3	0.0	0.0	-	-	8.4	-	-
120.0	60.0	3.7	2.4	2.9	13.4	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	6.2	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	-	-	0.0	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	75.0	–	–	–	0.0	3.5	0.0	0.0	–	–	–	–	–
120.0	80.0	5.9	4.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	–	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	–
123.0	50.0	0.0	0.0	31.9	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	55.0	–	–	–	0.0	0.0	2.8	0.0	–	–	0.0	–	–
123.0	60.0	15.9	2.3	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	3.3	–	–
127.0	40.0	3.5	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	6.9	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	0.0	3.0	–	–
127.0	50.0	3.1	6.3	3.1	0.0	3.6	0.0	0.0	–	–	0.0	–	–
127.0	60.0	0.0	0.0	2.9	0.0	0.0	–	0.0	–	–	–	–	–
127.0	70.0	5.8	–	–	0.0	–	–	–	–	–	0.0	–	–
130.0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
130.0	50.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	3.3	2.6	0.0	0.0	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	0.0	0.0	2.7	0.0	–	–	0.0	–	–
133.0	50.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	–	–	0.0	–	–
137.0	35.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	–	–	0.0	–	–
137.0	60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
140.0	40.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–
140.0	60.0	2.6	–	–	–	–	–	–	–	–	0.0	–	–
143.0	30.0	0.0	0.0	2.8	–	–	–	–	–	–	0.0	–	–
143.0	40.0	0.0	0.0	5.9	–	–	–	–	–	–	0.0	–	–
147.0	30.0	3.2	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	55.0	–	–	–	–	–	–	–	–	–	2.8	–	–

Paralepididae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	70.0	–	–	–	–	–	–	3.0	–	–	–	–	–
40.0	90.0	–	–	–	–	–	–	3.1	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	2.8	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	3.0	–	–	–	–	–
50.0	55.0	–	–	–	–	–	2.9	–	–	–	–	–	–
50.0	60.0	–	–	–	–	–	4.7	–	–	–	–	–	–
53.0	60.0	–	–	–	–	–	0.0	3.3	–	–	–	–	–
60.0	60.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	0.0	–
60.0	80.0	–	–	–	3.1	0.0	0.0	0.0	–	–	–	2.8	–
60.0	90.0	–	–	–	3.4	0.0	3.1	0.0	–	–	–	2.7	–
60.0	100.0	–	–	–	0.0	–	–	–	–	–	–	8.1	–
63.0	60.0	0.0	–	–	–	6.0	0.0	0.0	–	–	0.0	–	–
63.0	110.0	–	–	–	10.1	–	–	–	–	–	–	–	–
67.0	60.0	0.0	–	–	7.4	0.0	0.0	0.0	–	–	0.0	–	–
67.0	65.0	–	–	–	7.3	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Paralepididae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0 80.0	-	-	-	3.3	0.0	6.1	0.0	-	-	0.0	-	-
67.0 100.0	-	-	-	-	-	-	2.7	-	-	-	2.7	-
70.0 60.0	-	-	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0 65.0	-	-	-	3.3	-	-	0.0	-	-	0.0	-	-
70.0 70.0	2.7	-	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0 80.0	0.0	-	3.4	0.0	0.0	0.0	3.3	-	-	0.0	-	-
70.0 90.0	2.7	-	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
70.0 100.0	-	-	-	0.0	-	-	2.8	-	-	-	2.9	-
70.0 110.0	-	-	-	7.5	-	-	-	-	-	-	-	-
73.0 65.0	-	-	-	3.3	-	-	0.0	-	-	0.0	-	-
73.0 70.0	-	-	-	0.0	0.0	0.0	2.8	-	-	0.0	-	-
73.0 80.0	-	-	-	2.2	0.0	2.9	0.0	-	-	0.0	-	-
73.0 90.0	-	-	0.0	0.0	0.0	3.2	-	-	-	-	0.0	-
77.0 55.0	0.0	0.0	-	0.0	2.7	0.0	0.0	-	-	0.0	-	-
77.0 60.0	2.9	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
77.0 90.0	-	-	0.0	9.7	0.0	0.0	3.2	-	-	-	3.0	-
80.0 55.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0 70.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	5.1
80.0 75.0	-	-	-	0.0	-	-	3.0	-	-	-	-	-
80.0 80.0	0.0	0.0	3.1	0.0	0.0	0.0	4.0	-	-	0.0	-	0.0
83.0 55.0	0.0	-	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0
83.0 60.0	3.0	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0 70.0	0.0	-	0.0	0.0	0.0	0.0	9.1	-	-	0.0	-	-
83.0 75.0	-	-	-	0.0	0.0	0.0	6.4	-	-	-	-	-
83.0 80.0	-	-	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	-
83.0 85.0	-	-	-	-	0.0	5.9	0.0	-	-	-	-	-
83.0 90.0	-	-	-	-	0.0	3.0	3.2	-	-	0.0	-	-
87.0 55.0	-	0.0	0.0	0.0	0.0	5.9	0.0	-	-	0.0	-	0.0
87.0 65.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
87.0 75.0	-	-	-	2.9	0.0	0.0	3.3	-	-	-	-	-
87.0 80.0	-	0.0	0.0	0.0	0.0	9.9	0.0	-	-	0.0	-	-
87.0 85.0	-	-	-	-	0.0	3.2	0.0	-	-	-	-	-
87.0 90.0	-	-	-	-	2.9	3.2	0.0	-	-	0.0	-	-
90.0 55.0	-	3.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	3.8	0.0	0.0	0.0
90.0 65.0	-	-	-	0.0	0.0	0.0	0.0	-	2.8	-	-	-
90.0 70.0	-	2.6	6.1	0.0	0.0	3.1	-	-	1.7	0.0	0.0	0.0
90.0 75.0	-	-	-	0.0	0.0	2.7	0.0	-	-	-	-	-
90.0 80.0	-	0.0	0.0	-	0.0	3.2	3.4	-	-	0.0	0.0	0.0
90.0 90.0	-	0.0	0.0	0.0	0.0	6.0	31.5	-	-	0.0	-	-
90.0 145.0	-	-	-	2.7	-	-	-	-	-	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	-	0.0	2.4	0.0	0.0
93.0 55.0	-	-	-	0.0	2.7	0.0	0.0	-	0.0	0.0	-	-
93.0 65.0	-	-	-	5.9	0.0	0.0	2.4	-	1.4	-	-	-
93.0 70.0	0.0	-	3.4	3.1	0.0	0.0	0.0	-	4.0	2.4	0.0	0.0
93.0 75.0	-	-	-	-	3.6	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Paralepididae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	80.0	0.0	0.0	0.0	0.0	2.9	3.3	0.0	-	-	2.7	0.0	0.0
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	0.0	0.0	3.3	-	-	0.0	-	-
97.0	50.0	-	0.0	0.0	2.7	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	60.0	0.0	0.0	0.0	0.0	5.4	0.0	2.8	-	-	0.0	0.0	0.0
97.0	70.0	0.0	3.0	0.0	0.0	6.2	20.6	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	9.7	0.0	3.0	2.6	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	0.0	9.0	0.0	3.0	-	-	0.0	-	-
97.0	85.0	-	-	-	-	0.0	0.0	5.8	-	-	-	-	-
97.0	90.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
100.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	0.0	0.0	11.6	0.0	-	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	3.0	0.0	-	-	-	0.0	0.0
100.0	55.0	-	-	-	3.1	2.0	6.2	0.0	-	-	0.0	-	-
100.0	60.0	0.0	0.0	0.0	3.0	5.7	0.0	0.0	-	-	-	0.0	0.0
100.0	65.0	-	-	-	0.0	2.9	3.0	0.0	-	-	-	-	-
100.0	70.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	-	2.6	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
100.0	90.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	-
103.0	40.0	0.0	0.0	0.0	6.7	3.6	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	0.0	2.5	-	-	0.0	-	-
103.0	50.0	0.0	3.0	0.0	0.0	0.0	11.6	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	0.0	8.5	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	0.0	-	0.0	-	-	2.5	-	-
110.0	35.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	0.0	-	-
113.0	35.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	60.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	80.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	45.0	-	0.0	3.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-
130.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-
147.0	20.0	0.0	0.0	0.0	-	-	-	-	-	-	2.7	-	-
147.0	45.0	-	-	-	-	-	-	-	-	-	2.8	-	-
150.0	25.0	0.0	0.0	0.0	-	-	-	-	-	-	2.9	-	-
150.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	5.4	-	-
157.0	20.0	38.1	-	-	-	-	-	-	-	-	-	-	-
157.0	30.0	7.1	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Scopelosaurus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	-	-	-	0.0	2.7	0.0	0.0	-	-	-	0.0	-
77.0	70.0	-	-	-	2.8	0.0	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	0.0	2.5	-	-	0.0	-	-

Scopelarchidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	90.0	-	-	-	-	0.0	0.0	0.0	-	-	2.5	-	-
90.0	80.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.6	0.0	0.0
93.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	2.4	0.0	0.0
93.0	75.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	0.0	0.0	3.3	-	-	0.0	-	-
97.0	32.0	-	0.0	0.0	0.0	0.0	-	3.4	-	-	0.0	0.0	0.0
97.0	45.0	-	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	2.3	0.0
97.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	-
97.0	85.0	-	-	-	-	0.0	0.0	2.9	-	-	-	-	-
100.0	35.0	-	-	-	0.0	0.0	-	2.8	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	70.0	6.4	0.0	0.0	0.0	3.1	0.0	0.0	-	-	0.0	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
100.0	85.0	-	-	-	0.0	0.0	0.0	3.1	-	-	-	-	-
100.0	90.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	40.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	0.0	2.8	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	-	3.2	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.9	-	-
107.0	55.0	-	-	-	0.0	3.3	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	10.6	6.7	0.0	0.0	-	-	0.0	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	2.8	-	-
110.0	70.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-	-
113.0	55.0	-	-	-	0.0	3.5	0.0	0.0	-	-	5.9	-	-
113.0	60.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.5	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	0.0	-	0.0	-	-	1.9	-	-
120.0	60.0	0.0	0.0	0.0	0.0	3.7	0.0	-	-	-	0.0	-	-
120.0	80.0	0.0	0.0	0.0	0.0	4.0	0.0	2.5	-	-	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
123.0	60.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	-	-	0.0	-	-
127.0	45.0	-	0.0	0.0	-	0.0	-	0.0	0.0	3.0	0.0	-	-

TABLE 4. (cont.)

Scopelarchidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	55.0	–	–	–	0.0	0.0	–	0.0	–	–	2.9	–	–
130.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–
130.0	55.0	–	–	–	0.0	0.0	–	–	–	–	2.8	–	–
130.0	60.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–	2.6	–	–
137.0	55.0	–	–	–	0.0	–	–	0.0	–	–	2.7	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.4	–	–
153.0	35.0	–	–	–	–	–	–	–	–	–	2.7	–	–

Myctophidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	60.0	0.0	–	–	0.0	9.3	0.0	0.0	–	–	0.0	–	–
70.0	55.0	–	–	–	0.0	3.0	3.1	0.0	–	–	0.0	–	–
70.0	60.0	–	–	0.0	0.0	6.9	0.0	0.0	–	–	0.0	–	–
70.0	100.0	–	–	–	0.0	–	–	5.6	–	–	–	0.0	–
73.0	90.0	–	–	0.0	3.5	0.0	0.0	–	–	–	–	0.0	–
77.0	55.0	0.0	0.0	–	0.0	0.0	2.7	0.0	–	–	0.0	–	–
77.0	65.0	–	–	–	1.7	–	–	0.0	–	–	–	–	–
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.8	0.0
80.0	65.0	–	–	–	6.5	–	–	0.0	–	–	–	–	–
80.0	90.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	0.0	0.0	0.0	3.2	–	–	–	–	–
83.0	80.0	–	–	0.0	3.3	0.0	3.1	2.7	–	–	0.0	–	–
83.0	85.0	–	–	–	–	0.0	5.9	0.0	–	–	–	–	–
87.0	80.0	–	3.1	0.0	0.0	0.0	0.0	12.0	–	–	0.0	–	–
87.0	85.0	–	–	–	–	0.0	3.2	7.2	–	–	–	–	–
87.0	90.0	–	–	–	–	0.0	0.0	6.2	–	–	0.0	–	–
90.0	37.0	–	–	0.0	0.0	0.0	3.2	0.0	–	0.0	0.0	0.0	0.0
90.0	65.0	–	–	–	0.0	0.0	0.0	0.0	–	1.7	–	–	–
90.0	70.0	–	0.0	0.0	3.3	0.0	0.0	–	–	3.0	0.0	0.0	0.0
90.0	80.0	–	0.0	0.0	–	0.0	3.2	0.0	–	–	0.0	0.0	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	3.0	3.2	–	–	0.0	–	–
93.0	35.0	–	0.0	0.0	3.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	55.0	–	–	–	0.0	0.0	3.0	0.0	–	0.0	5.1	–	–
93.0	70.0	0.0	–	0.0	0.0	5.8	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	75.0	–	–	–	–	3.6	0.0	0.0	–	–	–	–	–
93.0	145.0	–	–	–	3.0	–	–	–	–	–	–	–	–
97.0	32.0	–	2.6	0.0	3.1	0.0	–	0.0	–	–	0.0	0.0	0.0
97.0	45.0	–	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	–
97.0	75.0	–	–	–	3.2	0.0	0.0	0.0	–	–	–	–	–
97.0	80.0	0.0	3.1	3.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
97.0	90.0	–	–	–	–	0.0	0.0	3.1	–	–	0.0	–	–
100.0	29.0	–	–	–	6.6	0.0	0.0	–	–	–	0.0	0.0	0.0
100.0	30.0	0.0	0.0	0.0	3.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	35.0	–	–	–	3.1	0.0	–	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	55.0	-	-	-	6.2	0.0	0.0	0.0	-	-	0.0	-	-
100.0	70.0	0.0	0.0	0.0	3.0	3.1	0.0	0.0	-	-	2.6	-	-
100.0	75.0	-	-	-	3.0	2.6	3.2	0.0	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	-	-	0.0	-	-
100.0	90.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	100.0	-	-	-	2.4	-	-	-	-	-	-	-	-
103.0	40.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
103.0	50.0	3.1	0.0	0.0	0.0	0.0	14.5	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	0.0	5.6	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	-	-	0.0	-	-
103.0	70.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-	0.0	-	-
103.0	90.0	-	-	-	0.0	11.5	-	0.0	-	-	0.0	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
107.0	55.0	-	-	-	0.0	6.7	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	0.0	10.0	0.0	0.0	-	-	0.0	-	-
107.0	70.0	0.0	0.0	7.2	0.0	6.1	-	0.0	-	-	2.8	-	-
107.0	90.0	-	-	-	0.0	0.0	-	0.0	-	-	2.5	-	-
110.0	33.0	0.0	2.8	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-
110.0	35.0	3.4	2.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	3.2	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	60.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	45.0	-	5.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	-	-	0.0	-	-
117.0	26.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-
117.0	45.0	-	-	0.0	9.7	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	-	-	2.2	-	-
117.0	55.0	-	-	-	12.3	0.0	0.0	0.0	-	-	2.7	-	-
117.0	60.0	3.5	0.0	0.0	17.3	0.0	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	5.6	0.0	2.3	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	5.9	0.0	0.0	0.0	-	-	0.0	-	-
120.0	35.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	-	0.0	0.0	0.0	0.0	1.9	0.0	0.0	-	0.0	-	-
120.0	45.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	6.8	0.0	0.0	-	-
120.0	60.0	0.0	0.0	2.9	0.0	0.0	4.7	-	-	-	0.0	-	-
120.0	65.0	-	-	-	0.0	3.8	0.0	0.0	-	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-
123.0	55.0	-	-	-	0.0	0.0	2.8	0.0	-	-	0.0	-	-
127.0	34.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	2.7	3.5	0.0	0.0	3.4	-	-
127.0	45.0	-	0.0	0.0	-	0.0	-	0.0	3.1	0.0	3.0	-	-
127.0	50.0	0.0	0.0	0.0	11.6	0.0	0.0	3.5	-	-	2.8	-	-
127.0	55.0	-	-	-	2.6	0.0	-	0.0	-	-	0.0	-	-
127.0	60.0	0.0	0.0	0.0	3.1	0.0	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	–	–
130.0	45.0	–	0.0	0.0	5.3	0.0	0.0	0.0	6.3	14.2	3.2	–	–
130.0	50.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	3.5	0.0	5.2	0.0	2.8	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	4.9	0.0	0.0	0.0	–	–	0.0	–	–
133.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	–
133.0	80.0	–	–	–	3.1	–	–	–	–	–	–	–	–
137.0	30.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	3.6	0.0	–	–
137.0	35.0	0.0	0.0	0.0	5.7	0.0	11.2	0.0	–	–	0.0	–	–
137.0	45.0	–	–	–	2.5	0.0	0.0	0.0	–	–	0.0	–	–
137.0	55.0	–	–	–	3.1	–	–	0.0	–	–	2.7	–	–
137.0	60.0	2.8	–	–	0.0	–	–	5.7	–	–	0.0	–	–
140.0	40.0	0.0	0.0	6.2	–	–	–	–	–	–	0.0	–	–
140.0	50.0	0.0	0.0	0.0	–	–	–	–	–	–	2.5	–	–
140.0	60.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–
143.0	30.0	3.1	0.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	35.0	0.0	3.5	0.0	–	–	–	–	–	–	0.0	–	–
143.0	40.0	2.4	0.0	3.0	–	–	–	–	–	–	0.0	–	–
143.0	50.0	2.9	–	–	–	–	–	–	–	–	4.7	–	–
147.0	20.0	0.0	0.0	10.9	–	–	–	–	–	–	2.7	–	–
147.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	5.3	–	–
147.0	30.0	3.2	5.5	0.0	–	–	–	–	–	–	0.0	–	–
147.0	40.0	0.0	31.8	0.0	–	–	–	–	–	–	0.0	–	–
147.0	50.0	–	–	–	–	–	–	–	–	–	7.9	–	–
147.0	55.0	–	–	–	–	–	–	–	–	–	2.6	–	–
150.0	25.0	10.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	30.0	3.4	6.5	0.0	–	–	–	–	–	–	10.7	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	13.9	–	–
150.0	40.0	0.0	17.5	0.0	–	–	–	–	–	–	20.3	–	–
150.0	45.0	–	–	–	–	–	–	–	–	–	5.5	–	–
150.0	50.0	–	–	–	–	–	–	–	–	–	8.1	–	–
153.0	16.0	0.0	–	–	–	–	–	–	–	–	6.0	–	–
153.0	20.0	9.4	–	–	–	–	–	–	–	–	3.0	–	–
153.0	30.0	3.3	–	–	–	–	–	–	–	–	0.0	–	–
153.0	60.0	–	–	–	–	–	–	–	–	–	3.1	–	–
153.0	80.0	–	–	–	–	–	–	–	–	–	2.7	–	–
157.0	10.0	6.6	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	26.2	–	–	–	–	–	–	–	–	–	–	–
157.0	40.0	8.9	–	–	–	–	–	–	–	–	–	–	–

Ceratoscopelus townsendi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	2.8	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0 70.0	-	-	-	-	0.0	0.0	0.0	-	-	3.1	-	-
63.0 100.0	-	-	-	-	-	-	-	-	-	-	4.8	-
73.0 65.0	-	-	-	0.0	-	-	2.9	-	-	0.0	-	-
77.0 90.0	-	-	0.0	0.0	0.0	0.0	6.5	-	-	-	0.0	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	-	-	0.0	-	0.0
80.0 120.0	-	-	-	8.3	-	-	-	-	-	-	-	-
83.0 85.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
87.0 75.0	-	-	-	0.0	2.9	0.0	0.0	-	-	-	-	-
87.0 80.0	-	0.0	0.0	0.0	0.0	16.5	0.0	-	-	0.0	-	-
87.0 90.0	-	-	-	-	2.9	0.0	0.0	-	-	0.0	-	-
90.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	8.3	0.0	0.0	0.0
90.0 65.0	-	-	-	0.0	0.0	0.0	0.0	-	9.4	-	-	-
90.0 70.0	-	0.0	0.0	0.0	0.0	0.0	-	-	1.7	9.4	0.0	0.0
90.0 90.0	-	0.0	0.0	0.0	0.0	0.0	6.3	-	-	0.0	-	-
90.0 110.0	-	-	-	3.0	-	-	-	-	-	-	-	-
90.0 120.0	-	-	-	6.1	-	-	-	-	-	-	-	-
90.0 130.0	-	-	-	12.6	-	-	-	-	-	-	-	-
90.0 145.0	-	-	-	8.2	-	-	-	-	-	-	-	-
93.0 27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
93.0 40.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0 70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	4.0	0.0	0.0	0.0
93.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.4	0.0	0.0
93.0 85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0 90.0	-	-	-	-	0.0	3.1	3.3	-	-	2.8	-	-
93.0 145.0	-	-	-	12.1	-	-	-	-	-	-	-	-
97.0 65.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
97.0 70.0	0.0	0.0	3.6	0.0	0.0	17.7	0.0	-	-	5.2	-	-
97.0 75.0	-	-	-	0.0	0.0	5.9	0.0	-	-	-	-	-
97.0 90.0	-	-	-	-	5.4	0.0	3.1	-	-	0.0	-	-
100.0 35.0	-	-	-	0.0	0.0	-	2.8	-	-	0.0	0.0	0.0
100.0 45.0	-	-	0.0	0.0	0.0	0.0	2.5	-	-	0.0	-	-
100.0 50.0	0.0	2.4	0.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0 55.0	-	-	-	0.0	0.0	15.5	2.7	-	-	0.0	-	-
100.0 60.0	0.0	3.1	0.0	0.0	0.0	0.0	2.6	-	-	-	2.9	0.0
100.0 65.0	-	-	-	0.0	0.0	0.0	2.9	-	-	-	-	-
100.0 70.0	0.0	0.0	3.7	0.0	0.0	6.6	5.8	-	-	0.0	-	-
100.0 75.0	-	-	-	6.1	7.8	0.0	10.2	-	-	-	-	-
100.0 80.0	0.0	0.0	0.0	3.0	5.6	6.0	9.3	-	-	11.6	-	-
100.0 85.0	-	-	-	0.0	0.0	5.9	73.7	-	-	-	-	-
100.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	82.1	-	-	0.0	-	-
100.0 120.0	-	-	-	5.6	-	-	-	-	-	-	-	-
100.0 145.0	-	-	-	2.9	-	-	-	-	-	-	-	-
103.0 40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0 50.0	0.0	0.0	0.0	0.0	8.6	5.8	2.8	-	-	0.0	-	-
103.0 55.0	-	-	-	0.0	5.0	11.3	0.0	-	-	0.0	-	-
103.0 60.0	0.0	2.7	0.0	3.4	8.1	11.6	0.0	-	-	5.2	-	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	65.0	-	-	-	0.0	3.0	-	0.0	-	-	-	-	-
103.0	70.0	6.5	3.0	0.0	3.4	0.0	-	0.0	-	-	2.9	-	-
103.0	75.0	-	-	-	0.0	5.2	-	2.9	-	-	-	-	-
103.0	85.0	-	-	-	0.0	0.0	-	92.8	-	-	-	-	-
103.0	90.0	-	-	-	3.2	20.2	-	36.8	-	-	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	-
107.0	45.0	-	-	0.0	0.0	0.0	3.1	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	3.5	3.3	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	3.5	43.4	0.0	0.0	-	-	11.6	-	-
107.0	65.0	-	-	-	0.0	6.5	-	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	0.0	6.8	-	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	2.7	-	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	2.5	-	0.0	-	-	0.0	-	-
110.0	35.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	-	-	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	-	-	0.0	-	-
110.0	65.0	-	-	-	0.0	13.1	-	0.0	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	0.0	-	-
110.0	75.0	-	-	-	0.0	3.3	0.0	0.0	-	-	-	-	-
110.0	90.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	0.0	-	-
113.0	35.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	0.0	0.0	0.0	12.8	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	-
113.0	70.0	3.2	-	3.3	0.0	0.0	2.7	0.0	-	-	5.5	-	-
113.0	75.0	-	-	-	0.0	7.1	-	6.0	-	-	-	-	-
113.0	80.0	-	-	-	0.0	0.0	-	2.9	-	-	0.0	-	-
113.0	85.0	-	-	-	0.0	6.8	-	-	-	-	-	-	-
113.0	90.0	-	-	-	0.0	6.1	-	-	-	-	0.0	-	-
117.0	60.0	0.0	0.0	5.8	0.0	14.0	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	0.0	44.6	4.6	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	0.0	0.0	0.0	6.2	-	-	0.0	-	-
117.0	75.0	-	-	-	0.0	9.4	-	12.8	-	-	-	-	-
117.0	80.0	-	-	-	0.0	0.0	-	116.0	-	-	0.0	-	-
117.0	85.0	-	-	-	0.0	3.6	-	-	-	-	-	-	-
120.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	3.1	0.0	0.0	5.9	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	-	-	0.0	-	-
120.0	75.0	-	-	-	0.0	0.0	9.7	0.0	-	-	-	-	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	26.3	7.6	-	-	3.0	-	-
120.0	85.0	-	-	-	0.0	0.0	7.0	8.3	-	-	-	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	6.1	57.1	-	-	0.0	-	-
123.0	55.0	-	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	60.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	–	–	0.0	–	–
123.0	70.0	0.0	–	–	6.2	–	–	0.0	–	–	0.0	–	–
123.0	80.0	–	–	–	0.0	–	–	–	–	–	3.3	–	–
127.0	40.0	0.0	0.0	0.0	0.0	4.3	0.0	3.5	0.0	3.8	0.0	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	8.9	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
127.0	60.0	0.0	11.4	0.0	0.0	0.0	–	0.0	–	–	–	–	–
127.0	70.0	0.0	–	–	0.0	–	–	–	–	–	2.8	–	–
130.0	45.0	–	0.0	0.0	0.0	0.0	3.5	0.0	0.0	14.2	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	–	–	0.0	–	–
130.0	70.0	–	–	–	3.3	–	–	–	–	–	–	–	–
133.0	40.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	60.0	0.0	–	–	0.0	–	–	2.8	–	–	0.0	–	–
140.0	40.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–

Diaphus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	–	–	–	–	–	–	11.8	–	–	–	–	–
40.0	65.0	–	–	–	–	–	–	67.7	–	–	–	–	–
40.0	70.0	–	–	–	–	–	–	30.5	–	–	–	–	–
40.0	90.0	–	–	–	–	–	–	3.1	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	5.6	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	3.0	–	–	–	–	–
43.0	90.0	–	–	–	–	–	–	8.7	–	–	–	–	–
47.0	60.0	–	–	–	–	–	–	3.0	–	–	–	–	–
50.0	55.0	–	–	–	–	–	11.4	–	–	–	–	–	–
50.0	60.0	–	–	–	–	–	2.4	–	–	–	–	–	–
50.0	70.0	–	–	–	–	–	–	3.2	–	–	–	–	–
53.0	52.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
53.0	60.0	–	–	–	–	–	0.0	3.3	–	–	–	–	–
57.0	60.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
60.0	55.0	0.0	–	–	0.0	0.0	0.0	2.9	–	–	–	0.0	–
60.0	60.0	–	–	–	0.0	0.0	0.0	6.1	–	–	–	0.0	–
60.0	65.0	–	–	–	0.0	–	–	3.1	–	–	–	–	–
60.0	70.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	0.0	–
60.0	80.0	–	–	–	0.0	2.7	0.0	0.0	–	–	–	2.8	–
63.0	65.0	–	–	–	–	–	–	3.1	–	–	–	–	–
63.0	110.0	–	–	–	6.8	–	–	–	–	–	–	–	–
70.0	70.0	0.0	–	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	–
70.0	75.0	–	–	–	0.0	–	–	5.5	–	–	–	–	–
70.0	80.0	0.0	–	0.0	0.0	0.0	0.0	3.3	–	–	0.0	–	–
73.0	65.0	–	–	–	0.0	–	–	8.6	–	–	0.0	–	–
73.0	90.0	–	–	0.0	0.0	0.0	6.3	–	–	–	–	0.0	–
77.0	80.0	–	–	–	0.0	0.0	0.0	2.7	–	–	0.0	–	–

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	85.0	-	-	-	0.0	-	-	2.2	-	-	-	-	-
77.0	90.0	-	-	0.0	0.0	0.0	0.0	25.9	-	-	-	0.0	-
80.0	65.0	-	-	-	0.0	-	-	4.1	-	-	-	-	-
80.0	90.0	-	0.0	0.0	0.0	0.0	0.0	8.9	-	-	0.0	-	-
83.0	65.0	-	-	-	0.0	0.0	2.9	0.0	-	-	-	-	-
83.0	70.0	0.0	-	0.0	0.0	0.0	0.0	6.1	-	-	0.0	-	-
83.0	80.0	-	-	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	5.9	0.0	-	-	-	-	-
87.0	75.0	-	-	-	0.0	0.0	0.0	3.3	-	-	-	-	-
87.0	85.0	-	-	-	-	0.0	3.2	3.6	-	-	-	-	-
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	2.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	1.0	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	0.0	0.0	0.0	-	1.7	-	-	-
90.0	70.0	-	0.0	0.0	0.0	0.0	0.0	-	-	3.4	0.0	0.0	0.0
90.0	80.0	-	0.0	0.0	-	0.0	0.0	3.4	-	-	2.6	0.0	0.0
90.0	85.0	-	-	-	0.0	0.0	0.0	9.8	-	-	-	-	-
90.0	90.0	-	0.0	0.0	0.0	0.0	3.0	6.3	-	-	0.0	-	-
93.0	35.0	-	0.0	0.0	0.0	0.0	3.9	0.0	-	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0
93.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	5.8	4.9	0.0	0.0
93.0	75.0	-	-	-	-	0.0	6.2	0.0	-	-	-	-	-
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
97.0	35.0	-	-	-	0.0	2.9	0.0	0.0	-	-	0.0	0.0	0.0
97.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	0.0	0.0	3.1	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	-	-	0.0	-	-
97.0	75.0	-	-	-	0.0	3.1	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	-	-	0.0	0.0	18.5	-	-	0.0	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	0.0	0.0
100.0	50.0	0.0	0.0	0.0	-	0.0	6.0	2.8	-	-	-	0.0	0.0
100.0	65.0	-	-	-	0.0	0.0	6.1	0.0	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	-	-	0.0	-	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	21.8	0.0	-	-	0.0	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	0.0	2.8	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
103.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	5.8	-	-
107.0	65.0	-	-	-	0.0	3.2	-	0.0	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-
110.0	90.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	2.4	-	-
113.0	45.0	-	0.0	0.0	0.0	0.0	2.1	0.0	-	-	0.0	-	-
140.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	2.4	-	-
147.0	20.0	0.0	0.0	0.0	-	-	-	-	-	-	10.9	-	-
147.0	50.0	-	-	-	-	-	-	-	-	-	2.6	-	-
150.0	19.0	0.0	0.0	0.0	-	-	-	-	-	-	10.8	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
150.0	25.0	0.0	0.0	0.0	-	-	-	-	-	-	5.7	-	-
150.0	35.0	-	-	-	-	-	-	-	-	-	5.6	-	-
153.0	16.0	0.0	-	-	-	-	-	-	-	-	6.0	-	-
153.0	20.0	9.4	-	-	-	-	-	-	-	-	0.0	-	-
153.0	40.0	2.2	-	-	-	-	-	-	-	-	0.0	-	-
153.0	50.0	4.3	-	-	-	-	-	-	-	-	0.0	-	-
157.0	10.0	46.5	-	-	-	-	-	-	-	-	-	-	-
157.0	20.0	213.4	-	-	-	-	-	-	-	-	-	-	-

Lampadena urophaos

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	-	-	0.0	0.0	0.0
93.0	85.0	-	-	-	-	0.0	0.0	3.5	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-	-	0.0	-	-
97.0	90.0	-	-	-	-	0.0	0.0	6.2	-	-	0.0	-	-
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
100.0	75.0	-	-	-	0.0	0.0	0.0	20.5	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	-	-	7.0	-	-
100.0	85.0	-	-	-	0.0	0.0	0.0	55.3	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	8.9	5.7	-	-	2.6	-	-
103.0	55.0	-	-	-	0.0	0.0	2.8	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	6.9	5.4	5.8	0.0	-	-	0.0	-	-
103.0	85.0	-	-	-	0.0	0.0	-	5.8	-	-	-	-	-
103.0	90.0	-	-	-	0.0	2.9	-	22.6	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.7	-	-
107.0	85.0	-	-	-	61.0	0.0	-	0.0	-	-	-	-	-
107.0	90.0	-	-	-	0.0	0.0	-	0.0	-	-	2.5	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.8	-	-
113.0	55.0	-	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	0.0	3.5	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-
117.0	50.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	0.0	-	14.5	-	-	0.0	-	-
117.0	85.0	-	-	-	0.0	3.6	-	-	-	-	-	-	-
120.0	65.0	-	-	-	3.1	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	-	-	0.0	-	-
120.0	80.0	0.0	2.4	0.0	0.0	0.0	2.4	10.2	-	-	0.0	-	-
120.0	85.0	-	-	-	0.0	0.0	2.3	0.0	-	-	-	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	0.0	6.3	-	-	0.0	-	-
123.0	70.0	0.0	-	-	0.0	-	-	5.8	-	-	0.0	-	-
123.0	80.0	-	-	-	0.0	-	-	-	-	-	3.3	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	-	-	0.0	-	-
127.0	55.0	-	-	-	0.0	0.0	-	0.0	-	-	2.9	-	-

TABLE 4. (cont.)

Lampadena urophaos (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.1	0.0	–	–
130.0 80.0	–	–	–	3.0	–	–	–	–	–	–	–	–

Lampanyctus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0 60.0	–	–	–	–	–	5.5	0.0	–	–	–	–	–
60.0 60.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	0.0	–
60.0 70.0	–	–	–	0.0	0.0	0.0	2.8	–	–	–	0.0	–
87.0 60.0	–	0.0	0.0	5.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0 65.0	–	–	–	3.2	0.0	0.0	0.0	–	–	–	–	–
90.0 30.0	–	0.0	0.0	3.1	0.0	0.0	0.0	–	0.0	0.0	0.0	–
90.0 130.0	–	–	–	9.5	–	–	–	–	–	–	–	–
90.0 145.0	–	–	–	5.5	–	–	–	–	–	–	–	–
97.0 45.0	–	0.0	0.0	0.0	0.0	0.0	3.6	–	–	0.0	–	–
100.0 60.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	0.0
100.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	–	–	0.0	–	–
103.0 65.0	–	–	–	0.0	3.0	–	0.0	–	–	–	–	–
107.0 45.0	–	–	0.0	0.0	0.0	0.0	4.4	–	–	0.0	–	–
110.0 40.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0 45.0	–	–	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0 50.0	0.0	2.9	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0 35.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0 40.0	0.0	0.0	2.9	0.0	0.0	0.0	–	0.0	0.0	0.0	–	–
113.0 45.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0 75.0	–	–	–	0.0	0.0	–	3.0	–	–	–	–	–
117.0 26.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0 40.0	3.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0 45.0	–	–	5.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0 65.0	–	–	–	0.0	0.0	0.0	3.2	–	–	–	–	–
117.0 70.0	3.1	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0 80.0	–	–	–	0.0	0.0	–	0.0	–	–	1.9	–	–
117.0 90.0	–	–	–	0.0	0.0	–	–	–	–	4.8	–	–
120.0 45.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	–	–	0.0	–	–
120.0 80.0	8.9	0.0	0.0	0.0	0.0	0.0	7.6	–	–	0.0	–	–
120.0 85.0	–	–	–	0.0	0.0	0.0	5.5	–	–	–	–	–
123.0 37.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0 42.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	–	–
123.0 50.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0 60.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0 70.0	3.3	–	–	0.0	–	–	0.0	–	–	0.0	–	–
127.0 34.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	–	–
127.0 45.0	–	0.0	6.0	–	0.0	–	0.0	0.0	0.0	0.0	–	–
127.0 50.0	9.4	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	60.0	0.0	22.7	0.0	0.0	0.0	–	0.0	–	–	–	–	–
127.0	70.0	8.7	–	–	0.0	–	–	–	–	–	2.8	–	–
130.0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	6.0	3.3	0.0	5.3	–	–
130.0	45.0	–	0.0	3.4	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
130.0	50.0	0.0	0.0	2.7	0.0	0.0	4.4	0.0	–	–	0.0	–	–
130.0	60.0	0.0	3.4	0.0	0.0	0.0	–	0.0	–	–	0.0	–	–
133.0	35.0	–	0.0	7.3	–	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	34.7	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.9	–	–
133.0	50.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	–	–	0.0	–	–
133.0	60.0	0.0	–	–	–	–	–	2.8	–	–	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
137.0	30.0	3.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	40.0	11.7	0.0	3.5	0.0	0.0	4.5	0.0	–	–	14.0	–	–
137.0	45.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.9	–	–
137.0	50.0	2.9	7.0	0.0	0.0	0.0	0.0	3.0	–	–	8.0	–	–
137.0	60.0	19.7	–	–	0.0	–	–	0.0	–	–	5.7	–	–
140.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
140.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
140.0	60.0	5.2	–	–	–	–	–	–	–	–	3.0	–	–
143.0	30.0	0.0	7.7	5.6	–	–	–	–	–	–	0.0	–	–
143.0	35.0	0.0	3.5	0.0	–	–	–	–	–	–	0.0	–	–
143.0	40.0	4.7	6.9	11.9	–	–	–	–	–	–	2.6	–	–
143.0	50.0	0.0	–	–	–	–	–	–	–	–	11.6	–	–
143.0	60.0	19.1	–	–	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	11.1	3.1	–	–	–	–	–	–	2.8	–	–
147.0	40.0	0.0	31.8	0.0	–	–	–	–	–	–	5.3	–	–
147.0	45.0	–	–	–	–	–	–	–	–	–	14.3	–	–
147.0	50.0	–	–	–	–	–	–	–	–	–	13.1	–	–
147.0	55.0	–	–	–	–	–	–	–	–	–	2.6	–	–
147.0	60.0	–	–	–	–	–	–	–	–	–	2.8	–	–
150.0	25.0	0.0	0.0	2.7	–	–	–	–	–	–	14.3	–	–
150.0	30.0	0.0	0.0	3.1	–	–	–	–	–	–	8.0	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	5.6	–	–
150.0	40.0	0.0	5.8	0.0	–	–	–	–	–	–	22.9	–	–
150.0	45.0	–	–	–	–	–	–	–	–	–	5.5	–	–
153.0	16.0	0.0	–	–	–	–	–	–	–	–	14.9	–	–
153.0	20.0	3.1	–	–	–	–	–	–	–	–	0.0	–	–
153.0	25.0	–	–	–	–	–	–	–	–	–	8.0	–	–
153.0	30.0	6.6	–	–	–	–	–	–	–	–	0.0	–	–
153.0	40.0	11.0	–	–	–	–	–	–	–	–	2.8	–	–
153.0	50.0	4.3	–	–	–	–	–	–	–	–	9.1	–	–
153.0	60.0	–	–	–	–	–	–	–	–	–	3.1	–	–
157.0	20.0	99.1	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	28.6	–	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Lampanyctus regalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	–	–	–	–	–	–	3.9	–	–	–	–	–
40.0	70.0	–	–	–	–	–	–	3.0	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	3.0	–	–	–	–	–
47.0	60.0	–	–	–	–	–	–	5.9	–	–	–	–	–
60.0	90.0	–	–	–	0.0	0.0	3.1	0.0	–	–	–	0.0	–
63.0	90.0	–	–	–	–	0.0	3.0	0.0	–	–	–	–	–
70.0	70.0	0.0	–	0.0	0.0	3.7	0.0	0.0	–	–	0.0	–	–
70.0	75.0	–	–	–	0.0	–	–	2.8	–	–	–	–	–
73.0	65.0	–	–	–	0.0	–	–	2.9	–	–	0.0	–	–
73.0	80.0	–	–	–	2.2	0.0	0.0	0.0	–	–	0.0	–	–
77.0	70.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	–	–	0.0	0.0	0.0
80.0	80.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	0.0
83.0	65.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
83.0	70.0	0.0	–	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
87.0	65.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
87.0	70.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	–
90.0	70.0	–	0.0	0.0	0.0	2.7	0.0	–	–	0.0	0.0	0.0	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	9.0	0.0	–	–	0.0	–	–
93.0	55.0	–	–	–	0.0	0.0	3.0	0.0	–	0.0	0.0	–	–
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	0.0	0.0	0.0	0.0
93.0	65.0	–	–	–	0.0	0.0	0.0	7.3	–	0.0	–	–	–
93.0	70.0	0.0	–	0.0	0.0	0.0	3.2	0.0	–	0.0	0.0	0.0	0.0
100.0	85.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	0.0	3.3	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	–
113.0	40.0	0.0	0.0	0.0	2.3	0.0	0.0	–	0.0	0.0	0.0	–	–

Lampanyctus ritteri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	–	–	–	–	–	–	10.1	–	–	–	–	–
40.0	45.0	–	–	–	–	–	–	2.8	–	–	–	–	–
40.0	60.0	–	–	–	–	–	–	15.7	–	–	–	–	–
40.0	65.0	–	–	–	–	–	–	5.6	–	–	–	–	–
40.0	70.0	–	–	–	–	–	–	6.1	–	–	–	–	–
43.0	42.0	–	–	–	–	–	–	2.5	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	8.3	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	3.0	–	–	–	–	–
43.0	90.0	–	–	–	–	–	–	2.9	–	–	–	–	–
47.0	90.0	–	–	–	–	–	–	3.1	–	–	–	–	–
50.0	50.0	–	–	–	–	–	13.3	–	–	–	–	–	–
50.0	70.0	–	–	–	–	–	–	12.9	–	–	–	–	–
50.0	90.0	–	–	–	–	–	–	2.8	–	–	–	–	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 52.0	-	-	-	0.0	0.0	0.0	3.0	-	-	-	0.0	-
60.0 55.0	0.0	-	-	0.0	0.0	0.0	2.9	-	-	-	0.0	-
60.0 60.0	-	-	-	0.0	0.0	0.0	6.1	-	-	-	0.0	-
60.0 65.0	-	-	-	0.0	-	-	3.1	-	-	-	-	-
60.0 80.0	-	-	-	6.2	0.0	0.0	0.0	-	-	-	0.0	-
60.0 90.0	-	-	-	3.4	0.0	0.0	0.0	-	-	-	0.0	-
60.0 100.0	-	-	-	3.3	-	-	-	-	-	-	0.0	-
63.0 55.0	-	-	-	-	0.0	-	2.8	-	-	0.0	-	-
63.0 60.0	0.0	-	-	-	0.0	5.8	0.0	-	-	2.7	-	-
63.0 80.0	-	-	-	-	0.0	0.0	2.8	-	-	0.0	-	-
63.0 90.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
63.0 110.0	-	-	-	3.4	-	-	-	-	-	-	-	-
67.0 55.0	0.0	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	-
67.0 60.0	0.0	-	-	3.7	3.1	0.0	6.5	-	-	0.0	-	-
67.0 80.0	-	-	-	3.3	0.0	6.1	0.0	-	-	0.0	-	-
67.0 90.0	-	-	-	7.4	0.0	0.0	6.2	-	-	-	-	-
67.0 100.0	-	-	-	-	-	-	2.7	-	-	-	0.0	-
67.0 110.0	-	-	-	4.1	-	-	-	-	-	-	-	-
70.0 52.0	-	-	3.0	2.7	2.6	0.0	0.0	-	-	-	-	-
70.0 55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	0.0	-	-
70.0 60.0	-	-	12.7	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0 65.0	-	-	-	6.6	-	-	0.0	-	-	0.0	-	-
70.0 70.0	0.0	-	0.0	3.3	7.4	0.0	0.0	-	-	0.0	-	-
70.0 75.0	-	-	-	9.5	-	-	11.0	-	-	-	-	-
70.0 80.0	3.7	-	3.4	10.2	0.0	0.0	0.0	-	-	0.0	-	-
70.0 85.0	-	-	-	6.6	-	-	0.0	-	-	-	-	-
70.0 90.0	0.0	-	2.7	0.0	2.6	2.9	0.0	-	-	-	0.0	-
70.0 100.0	-	-	-	4.1	-	-	2.8	-	-	-	0.0	-
70.0 110.0	-	-	-	15.0	-	-	-	-	-	-	-	-
73.0 51.0	-	-	-	0.0	2.6	0.0	0.0	-	-	0.0	-	-
73.0 55.0	1.3	-	6.1	0.0	6.3	0.0	0.0	-	-	0.0	-	-
73.0 60.0	2.7	-	-	0.0	2.9	0.0	0.0	-	-	0.0	-	-
73.0 65.0	-	-	-	3.3	-	-	2.9	-	-	2.8	-	-
73.0 70.0	-	-	-	12.6	6.1	0.0	2.8	-	-	0.0	-	-
73.0 75.0	-	-	-	10.7	-	-	0.0	-	-	-	-	-
73.0 80.0	-	-	-	17.3	0.0	11.7	0.0	-	-	0.0	-	-
73.0 90.0	-	-	3.5	0.0	0.0	3.2	-	-	-	-	0.0	-
77.0 55.0	0.0	0.0	-	0.0	2.7	2.7	0.0	-	-	0.0	-	-
77.0 60.0	0.0	0.0	-	12.9	0.0	0.0	0.0	-	-	0.0	-	-
77.0 65.0	-	-	-	10.3	-	-	0.0	-	-	-	-	-
77.0 70.0	-	-	-	11.1	0.0	0.0	2.2	-	-	0.0	-	-
77.0 80.0	-	-	-	11.2	0.0	0.0	2.7	-	-	0.0	-	-
77.0 85.0	-	-	-	4.4	-	-	0.0	-	-	-	-	-
77.0 90.0	-	-	0.0	6.5	11.4	3.0	22.7	-	-	-	0.0	-
80.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	-	-	0.0	0.0	0.0
80.0 65.0	-	-	-	0.0	-	-	4.1	-	-	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	70.0	0.0	0.0	11.8	3.0	0.0	0.0	0.0	-	-	0.0	-	2.5
80.0	75.0	-	-	-	0.0	-	-	3.0	-	-	-	-	-
80.0	80.0	0.0	3.3	0.0	6.0	8.3	2.7	0.0	-	-	0.0	-	2.5
80.0	90.0	-	0.0	0.0	0.0	3.0	0.0	3.0	-	-	0.0	-	-
80.0	120.0	-	-	-	11.1	-	-	-	-	-	-	-	-
80.0	130.0	-	-	-	11.1	-	-	-	-	-	-	-	-
83.0	55.0	0.0	-	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0
83.0	60.0	18.2	-	7.2	6.5	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	3.3	0.0	17.4	0.0	-	-	-	-	-
83.0	70.0	0.0	-	3.7	3.3	21.4	0.0	9.1	-	-	0.0	-	-
83.0	75.0	-	-	-	7.0	5.1	6.1	0.0	-	-	-	-	-
83.0	80.0	-	-	3.6	0.0	3.2	3.1	13.7	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	11.8	0.0	-	-	-	-	-
83.0	90.0	-	-	-	-	2.8	0.0	9.7	-	-	0.0	-	-
87.0	40.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-	-	0.0	0.0	0.0
87.0	45.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	60.0	-	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.9
87.0	70.0	-	3.0	8.3	3.7	6.9	15.3	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	40.5	2.9	2.7	16.4	-	-	-	-	-
87.0	80.0	-	0.0	4.1	11.0	5.6	26.5	3.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	2.8	9.6	3.6	-	-	-	-	-
87.0	90.0	-	-	-	-	2.9	0.0	3.1	-	-	0.0	-	-
90.0	37.0	-	-	0.0	0.0	6.2	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	0.0	-	5.5	3.1	3.3	-	0.0	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	5.7	0.0	0.0	0.0
90.0	60.0	-	3.2	23.4	0.0	0.0	0.0	3.3	-	4.9	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	0.0	9.1	13.2	-	4.8	-	-	-
90.0	70.0	-	33.8	33.7	6.6	5.3	0.0	-	-	3.4	6.3	0.0	0.0
90.0	75.0	-	-	-	20.9	6.9	2.7	0.0	-	-	-	-	-
90.0	80.0	-	8.1	0.0	-	3.1	12.9	0.0	-	-	2.6	0.0	0.0
90.0	85.0	-	-	-	11.6	0.0	3.2	0.0	-	-	-	-	-
90.0	90.0	-	8.3	0.0	6.3	4.6	0.0	22.1	-	-	0.0	-	-
90.0	100.0	-	-	-	7.0	-	-	-	-	-	-	-	-
90.0	130.0	-	-	-	6.3	-	-	-	-	-	-	-	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
93.0	40.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	0.0	0.0	2.5	0.0
93.0	45.0	-	3.1	3.2	-	5.0	6.7	0.0	-	0.0	0.0	-	-
93.0	50.0	2.9	9.7	0.0	0.0	5.2	0.0	6.0	-	0.0	2.4	0.0	0.0
93.0	55.0	-	-	-	0.0	2.7	3.0	3.3	-	0.0	0.0	-	-
93.0	60.0	0.0	12.3	7.0	9.5	0.0	0.0	9.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	20.6	0.0	3.3	0.0	-	1.4	-	-	-
93.0	70.0	0.0	-	3.4	0.0	0.0	0.0	3.2	-	5.3	0.0	0.0	0.0
93.0	75.0	-	-	-	-	10.8	0.0	0.0	-	-	-	-	-
93.0	80.0	10.6	0.0	0.0	3.1	8.7	0.0	0.0	-	-	0.0	0.0	0.0
93.0	85.0	-	-	-	-	46.0	3.1	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	3.3	12.3	3.3	-	-	2.8	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	32.0	-	2.6	0.0	3.1	0.0	-	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	1.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	11.4	16.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	7.2	3.5	2.7	0.0	0.0	0.0	-	-	0.0	2.3	0.0
97.0	55.0	-	-	-	3.0	6.1	3.0	0.0	-	-	0.0	-	-
97.0	60.0	3.2	17.7	0.0	0.0	0.0	3.0	2.8	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	0.0	0.0	3.1	-	-	-	-	-
97.0	70.0	3.3	3.0	0.0	20.3	6.2	11.8	0.0	-	-	5.2	-	-
97.0	75.0	-	-	-	19.4	3.1	3.0	2.6	-	-	-	-	-
97.0	80.0	17.5	3.1	3.5	6.4	20.3	3.0	0.0	-	-	0.0	-	-
97.0	85.0	-	-	-	-	3.0	3.0	0.0	-	-	-	-	-
97.0	90.0	-	-	-	-	2.7	0.0	3.1	-	-	0.0	-	-
100.0	29.0	-	-	-	3.3	0.0	0.0	-	-	-	0.0	0.0	0.0
100.0	32.0	3.0	0.0	0.0	-	-	-	-	-	-	-	-	-
100.0	35.0	-	-	-	6.3	2.6	-	0.0	-	-	2.0	0.0	0.0
100.0	45.0	-	-	0.0	6.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	50.0	0.0	2.4	7.1	-	0.0	3.0	0.0	-	-	-	0.0	0.0
100.0	55.0	-	-	-	3.1	2.0	3.1	0.0	-	-	0.0	-	-
100.0	60.0	3.1	0.0	0.0	3.0	8.5	0.0	0.0	-	-	-	0.0	0.0
100.0	65.0	-	-	-	6.4	2.9	0.0	2.9	-	-	-	-	-
100.0	70.0	0.0	0.0	3.7	12.0	6.1	0.0	0.0	-	-	0.0	-	-
100.0	75.0	-	-	-	9.1	13.0	0.0	0.0	-	-	-	-	-
100.0	80.0	3.4	6.3	6.9	6.1	14.1	0.0	0.0	-	-	0.0	-	-
100.0	85.0	-	-	-	0.0	0.0	0.0	18.4	-	-	-	-	-
100.0	90.0	0.0	3.1	14.4	0.0	2.6	0.0	0.0	-	-	0.0	-	-
100.0	130.0	-	-	-	2.7	-	-	-	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	8.6	-	-
103.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	0.0	5.0	-	-	0.0	-	-
103.0	50.0	0.0	21.3	0.0	12.1	14.3	5.8	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	20.2	34.7	2.8	0.0	-	-	0.0	-	-
103.0	60.0	0.0	21.4	0.0	6.9	0.0	0.0	0.0	-	-	0.0	-	-
103.0	70.0	0.0	3.0	10.5	3.4	0.0	-	0.0	-	-	2.9	-	-
103.0	75.0	-	-	-	0.0	5.2	-	0.0	-	-	-	-	-
103.0	85.0	-	-	-	3.4	0.0	-	5.8	-	-	-	-	-
103.0	90.0	-	-	-	6.3	8.6	-	8.5	-	-	0.0	-	-
107.0	32.0	0.0	0.0	0.0	4.5	-	0.0	0.0	-	-	0.0	-	-
107.0	35.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	-	-	-	-	-
107.0	40.0	0.0	3.2	0.0	18.9	17.1	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	0.0	0.0	0.0	3.1	0.0	-	-	0.0	-	-
107.0	50.0	3.6	8.7	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	17.6	23.4	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	31.9	70.1	0.0	0.0	-	-	2.3	-	-
107.0	65.0	-	-	-	17.3	29.1	-	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	10.7	3.5	9.1	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	75.0	-	-	-	0.0	4.5	-	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	2.7	-	0.0	-	-	0.0	-	-
107.0	85.0	-	-	-	30.5	8.8	-	0.0	-	-	-	-	-
107.0	90.0	-	-	-	0.0	5.1	-	0.0	-	-	0.0	-	-
110.0	33.0	0.0	0.0	6.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	16.5	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	6.3	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	-	-	0.0	14.2	3.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	0.0	-	-	2.3	-	-
110.0	60.0	5.5	0.0	0.0	8.5	3.0	0.0	0.0	-	-	2.9	-	-
110.0	65.0	-	-	-	3.2	6.5	-	0.0	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	2.8	0.0	0.0	0.0	3.4	0.0	0.0	-	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	2.3	2.9	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	45.0	-	2.8	0.0	30.6	19.2	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	8.0	0.0	3.2	18.1	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	2.7	7.1	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	17.6	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	3.2	-	0.0	2.7	0.0	0.0	0.0	-	-	10.9	-	-
113.0	85.0	-	-	-	2.9	0.0	-	-	-	-	-	-	-
117.0	26.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	0.0	12.9	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	3.2	0.0	0.0	2.9	0.0	0.0	0.0	-	-	2.2	-	-
117.0	55.0	-	-	-	9.2	0.0	0.0	0.0	-	-	0.0	-	-
117.0	60.0	0.0	0.0	14.5	5.8	9.3	3.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	5.6	89.1	2.3	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	0.0	14.3	2.5	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	4.5	-	0.0	-	-	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	-	-	0.0	-	-
120.0	35.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	-	-	-	36.4	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	0.0	0.0	16.8	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	6.2	0.0	2.3	0.0	-	-	-	-	-
120.0	75.0	-	-	-	0.0	3.5	0.0	0.0	-	-	-	-	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-	-	0.0	-	-
120.0	85.0	-	-	-	0.0	0.0	2.3	0.0	-	-	-	-	-
120.0	90.0	-	2.7	0.0	0.0	4.1	0.0	0.0	-	-	0.0	-	-
123.0	37.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-
123.0	45.0	-	-	-	6.5	-	-	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	50.0	0.0	0.0	25.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	60.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	–	–	0.0	–	–
123.0	80.0	–	–	–	0.0	–	–	–	–	–	3.3	–	–
127.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	70.0	0.0	–	–	2.8	–	–	–	–	–	5.7	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–
130.0	50.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–

Notolychnus valdiviae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	–

Notoscopelus resplendens

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	–	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	–
87.0	80.0	–	0.0	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	–
93.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	9.3	0.0	0.0	0.0
97.0	35.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.6	0.0	0.0
97.0	70.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
97.0	75.0	–	–	–	0.0	0.0	3.0	0.0	–	–	–	–	–
100.0	70.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	–
103.0	55.0	–	–	–	0.0	2.5	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.7	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	8.8	–	–
113.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	3.0	–	–
113.0	70.0	0.0	–	0.0	0.0	3.3	0.0	0.0	–	–	16.4	–	–
113.0	80.0	–	–	–	0.0	0.0	–	0.0	–	–	2.7	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	–
117.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.7	–	–
117.0	90.0	–	–	–	0.0	0.0	–	–	–	–	2.4	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
120.0	90.0	–	0.0	0.0	0.0	0.0	0.0	6.3	–	–	0.0	–	–
123.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	3.3	–	–
127.0	55.0	–	–	–	0.0	0.0	–	0.0	–	–	2.9	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	-	-	-	-	-	-	5.1	-	-	-	-	-
40.0	45.0	-	-	-	-	-	-	5.6	-	-	-	-	-
40.0	55.0	-	-	-	-	-	-	12.0	-	-	-	-	-
40.0	60.0	-	-	-	-	-	-	3.9	-	-	-	-	-
40.0	65.0	-	-	-	-	-	-	2.8	-	-	-	-	-
43.0	42.0	-	-	-	-	-	-	12.4	-	-	-	-	-
43.0	45.0	-	-	-	-	-	-	141.8	-	-	-	-	-
43.0	50.0	-	-	-	-	-	-	18.3	-	-	-	-	-
43.0	60.0	-	-	-	-	-	-	29.4	-	-	-	-	-
43.0	90.0	-	-	-	-	-	-	2.9	-	-	-	-	-
47.0	50.0	-	-	167.4	-	-	-	8.5	-	-	-	-	-
47.0	55.0	-	-	33.6	-	-	-	0.0	-	-	-	-	-
47.0	60.0	-	-	-	-	-	-	11.8	-	-	-	-	-
50.0	47.0	-	-	-	-	-	5.8	-	-	-	-	-	-
50.0	50.0	-	-	-	-	-	13.3	-	-	-	-	-	-
50.0	55.0	-	-	-	-	-	2.9	-	-	-	-	-	-
50.0	60.0	-	-	-	-	-	2.4	-	-	-	-	-	-
50.0	70.0	-	-	-	-	-	-	19.4	-	-	-	-	-
53.0	52.0	-	-	-	-	-	9.2	0.0	-	-	-	-	-
53.0	55.0	-	-	-	-	-	0.0	6.2	-	-	-	-	-
53.0	60.0	-	-	-	-	-	0.0	3.3	-	-	-	-	-
57.0	55.0	-	-	-	-	-	3.1	0.0	-	-	-	-	-
57.0	60.0	-	-	-	-	-	0.0	2.8	-	-	-	-	-
60.0	55.0	8.6	-	-	3.5	0.0	0.0	2.9	-	-	-	0.0	-
60.0	60.0	-	-	-	3.4	0.0	11.6	6.1	-	-	-	0.0	-
60.0	65.0	-	-	-	4.3	-	-	0.0	-	-	-	-	-
60.0	70.0	-	-	-	6.9	2.6	0.0	0.0	-	-	-	0.0	-
60.0	80.0	-	-	-	3.1	0.0	0.0	0.0	-	-	-	0.0	-
60.0	90.0	-	-	-	3.4	0.0	0.0	0.0	-	-	-	0.0	-
63.0	52.0	35.9	-	-	0.0	12.9	0.0	0.0	-	-	0.0	-	-
63.0	55.0	-	-	-	-	26.9	-	0.0	-	-	0.0	-	-
63.0	60.0	0.0	-	-	-	12.0	0.0	0.0	-	-	0.0	-	-
63.0	70.0	-	-	-	-	15.8	0.0	0.0	-	-	0.0	-	-
63.0	80.0	-	-	-	-	0.0	0.0	2.8	-	-	0.0	-	-
63.0	90.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
67.0	55.0	50.8	-	-	86.3	3.5	0.0	13.4	-	-	0.0	-	-
67.0	60.0	0.0	-	-	95.7	3.1	8.9	0.0	-	-	0.0	-	-
67.0	65.0	-	-	-	47.5	-	-	0.0	-	-	0.0	-	-
67.0	70.0	-	-	-	3.6	22.0	0.0	0.0	-	-	0.0	-	-
67.0	80.0	-	-	-	42.9	3.0	0.0	0.0	-	-	0.0	-	-
67.0	90.0	-	-	-	51.5	5.3	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	111.4	335.2	23.1	42.1	0.0	-	-	-	-	-
70.0	55.0	-	-	-	33.7	14.9	43.7	0.0	-	-	0.0	-	-
70.0	60.0	-	-	25.4	370.7	79.1	0.0	0.0	-	-	0.0	-	-
70.0	65.0	-	-	-	39.6	-	-	0.0	-	-	0.0	-	-
70.0	70.0	23.9	-	791.9	59.0	18.6	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	75.0	-	-	-	3.2	-	-	0.0	-	-	-	-	-
70.0	80.0	7.4	-	111.2	37.5	2.8	0.0	0.0	-	-	0.0	-	-
70.0	85.0	-	-	-	26.4	-	-	0.0	-	-	-	-	-
70.0	90.0	8.0	-	5.5	9.1	0.0	0.0	0.0	-	-	-	0.0	-
70.0	100.0	-	-	-	0.0	-	-	2.8	-	-	-	0.0	-
70.0	110.0	-	-	-	3.8	-	-	-	-	-	-	-	-
73.0	51.0	-	-	-	488.7	13.2	0.0	0.0	-	-	0.0	-	-
73.0	55.0	205.9	-	351.9	8.3	25.2	14.2	3.3	-	-	0.0	-	-
73.0	60.0	90.8	-	-	20.8	11.8	8.6	2.8	-	-	0.0	-	-
73.0	65.0	-	-	-	82.0	-	-	0.0	-	-	0.0	-	-
73.0	70.0	-	-	-	381.2	42.6	0.0	0.0	-	-	0.0	-	-
73.0	75.0	-	-	-	88.1	-	-	0.0	-	-	-	-	-
73.0	80.0	-	-	-	285.1	0.0	2.9	0.0	-	-	0.0	-	-
73.0	85.0	-	-	-	17.5	-	-	-	-	-	-	-	-
73.0	90.0	-	-	170.5	38.0	0.0	3.2	-	-	-	-	0.0	-
77.0	50.0	-	-	-	25.3	20.9	2.6	3.0	-	-	0.0	-	-
77.0	55.0	6.2	30.9	-	0.0	75.6	8.1	0.0	-	-	0.0	-	-
77.0	60.0	192.1	26.9	-	187.3	76.0	0.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	128.3	-	-	2.5	-	-	-	-	-
77.0	70.0	-	-	-	160.7	18.3	5.8	0.0	-	-	0.0	-	-
77.0	75.0	-	-	-	261.9	-	-	0.0	-	-	-	-	-
77.0	80.0	-	-	-	8.4	0.0	0.0	0.0	-	-	0.0	-	-
77.0	85.0	-	-	-	11.0	-	-	11.0	-	-	-	-	-
77.0	90.0	-	-	560.0	6.5	2.8	0.0	13.0	-	-	-	0.0	-
80.0	51.0	29.2	36.0	12.2	0.0	15.8	0.0	0.0	-	-	0.0	2.6	2.4
80.0	55.0	13.6	120.5	28.1	6.2	18.4	0.0	2.2	-	-	0.0	0.0	0.0
80.0	60.0	0.0	27.4	51.7	236.4	57.8	2.8	0.0	-	-	0.0	0.0	0.0
80.0	65.0	-	-	-	195.0	-	-	0.0	-	-	-	-	-
80.0	70.0	15.1	79.5	17.8	54.4	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	75.0	-	-	-	18.1	-	-	0.0	-	-	-	-	-
80.0	80.0	8.9	6.5	0.0	3.0	16.5	0.0	0.0	-	-	0.0	-	0.0
80.0	90.0	-	10.7	13.6	0.0	18.1	0.0	3.0	-	-	0.0	-	-
80.0	110.0	-	-	-	2.9	-	-	-	-	-	-	-	-
80.0	120.0	-	-	-	2.8	-	-	-	-	-	-	-	-
82.0	47.0	18.2	15.1	0.0	20.8	2.8	0.0	0.0	-	-	0.0	0.0	3.6
83.0	40.0	-	6.5	1.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	16.0	38.5	18.1	55.4	3.3	0.0	6.3	-	-	0.0	0.0	0.0
83.0	51.0	29.6	37.8	2.6	29.1	0.0	0.0	0.0	-	-	0.0	2.8	0.0
83.0	55.0	31.0	-	44.7	24.4	4.9	0.0	0.0	-	-	0.0	-	0.0
83.0	60.0	90.9	-	76.0	52.2	52.9	14.3	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	3.3	28.5	0.0	0.0	-	-	-	-	-
83.0	70.0	0.0	-	0.0	13.1	36.6	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	7.0	12.7	3.0	0.0	-	-	-	-	-
83.0	80.0	-	-	18.2	16.5	0.0	0.0	2.7	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	2.9	0.0	-	-	-	-	-
87.0	35.0	4.7	46.1	0.0	0.0	18.1	0.0	0.0	-	-	0.0	0.0	0.0

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	40.0	0.0	56.1	22.4	49.3	20.2	3.2	0.0	-	-	0.0	0.0	0.0
87.0	45.0	10.8	80.6	61.8	18.7	14.3	9.3	0.0	-	-	0.0	0.0	0.0
87.0	50.0	-	-	35.0	0.0	16.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	89.9	6.7	14.6	23.3	0.0	2.3	-	-	0.0	-	0.0
87.0	60.0	-	3.1	0.0	5.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	65.0	-	-	-	12.8	18.1	0.0	0.0	-	-	-	-	-
87.0	70.0	-	0.0	0.0	7.5	25.4	0.0	0.0	-	-	2.6	-	-
87.0	75.0	-	-	-	8.7	5.7	0.0	0.0	-	-	-	-	-
87.0	80.0	-	6.3	41.2	11.0	8.4	0.0	0.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	0.0	0.0	7.2	-	-	-	-	-
87.0	90.0	-	-	-	-	0.0	0.0	6.2	-	-	0.0	-	-
90.0	28.0	-	59.6	9.8	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	30.0	-	8.8	28.6	34.1	13.2	9.5	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	3.0	3.2	18.6	6.4	0.0	-	0.0	0.0	0.0	0.0
90.0	45.0	-	66.9	6.5	13.3	3.2	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	4.0	-	8.2	3.1	0.0	-	0.0	0.0	0.0	0.0
90.0	55.0	-	3.0	11.4	19.3	0.0	0.0	0.0	-	0.0	2.0	0.0	0.0
90.0	60.0	-	3.2	10.0	7.6	6.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	65.0	-	-	-	15.6	55.1	0.0	0.0	-	0.0	-	-	-
90.0	70.0	-	23.4	9.2	69.7	16.0	0.0	-	-	1.7	0.0	0.0	0.0
90.0	75.0	-	-	-	2.3	13.8	0.0	0.0	-	-	-	-	-
90.0	80.0	-	2.7	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	90.0	-	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	-	-
90.0	100.0	-	-	-	10.5	-	-	-	-	-	-	-	-
93.0	27.0	0.0	4.9	5.9	0.0	0.0	2.7	0.0	-	0.7	0.0	0.0	0.0
93.0	30.0	0.0	17.2	10.5	5.3	0.0	3.1	0.0	-	0.0	0.0	2.3	0.0
93.0	35.0	-	3.1	3.7	9.1	5.9	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	3.4	3.2	3.7	0.0	6.3	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	0.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	11.6	6.5	0.0	0.0	10.5	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	2.8	10.8	0.0	0.0	-	0.0	0.0	-	-
93.0	60.0	0.0	3.1	10.5	0.0	0.0	3.2	0.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	0.0	0.0	0.0	-	1.3	-	-	-
93.0	70.0	0.0	-	3.4	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	75.0	-	-	-	-	7.2	0.0	0.0	-	-	-	-	-
93.0	80.0	3.5	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	0.0	0.0
97.0	30.0	-	1.1	20.6	3.1	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	5.2	20.2	70.4	17.2	-	0.0	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	8.7	47.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	0.0	0.0	18.1	13.7	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	2.9	0.0	35.8	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	5.9	0.0	8.2	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	60.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	70.0	3.3	0.0	7.2	0.0	3.1	0.0	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	7.0	0.0	3.5	0.0	4.5	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	29.0	–	–	–	3.3	0.0	0.0	–	–	–	0.0	0.0	0.0
100.0	30.0	0.0	0.0	17.1	12.0	5.1	–	0.0	–	–	0.0	0.0	0.0
100.0	32.0	3.0	6.4	24.9	–	–	–	–	–	–	–	–	–
100.0	35.0	–	–	–	15.7	13.2	–	0.0	–	–	0.0	0.0	0.0
100.0	40.0	3.4	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0
100.0	70.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	–	–	0.0	–	–
103.0	30.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	50.0	6.2	0.0	0.0	0.0	8.6	0.0	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	3.4	0.0	0.0	0.0	–	–	0.0	–	–
103.0	85.0	–	–	–	0.0	3.3	–	0.0	–	–	–	–	–
103.0	90.0	–	–	–	0.0	5.8	–	0.0	–	–	0.0	–	–
107.0	32.0	0.0	0.0	0.0	22.7	–	0.0	0.0	–	–	0.0	–	–
107.0	40.0	0.0	0.0	6.7	0.0	9.8	0.0	0.0	–	–	0.0	–	–
107.0	45.0	–	–	3.2	8.9	0.0	0.0	0.0	–	–	0.0	–	–
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	3.6	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	3.0	0.0	0.0	0.0	–	–	0.0	–	–
118.0	39.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	–	–	0.0	–	–

Triphoturus mexicanus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	55.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–
77.0	55.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	3.3	–	–
77.0	90.0	–	–	0.0	6.5	2.8	0.0	3.2	–	–	–	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	–	–	0.0	–	0.0
80.0	90.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	–
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	0.0	0.0
83.0	40.0	–	0.0	0.0	0.0	0.0	0.0	1.4	–	–	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	0.0	2.7	0.0	0.0	3.0	–	–	0.0	–	0.0
83.0	65.0	–	–	–	0.0	0.0	2.9	0.0	–	–	–	–	–
83.0	70.0	0.0	–	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	0.0	5.1	0.0	3.2	–	–	–	–	–
83.0	80.0	–	–	0.0	3.3	15.9	9.4	5.5	–	–	0.0	–	–
83.0	85.0	–	–	–	–	6.4	23.5	3.3	–	–	–	–	–
83.0	90.0	–	–	–	–	0.0	8.9	22.5	–	–	0.0	–	–
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	0.0	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	3.2	7.4	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.9	0.0	0.0
87.0	50.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	2.2	0.0	0.0
87.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.7	0.0	0.0

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	65.0	-	-	-	0.0	7.7	9.2	2.9	-	-	-	-	-
87.0	70.0	-	0.0	0.0	3.7	9.2	39.8	9.5	-	-	2.6	-	-
87.0	75.0	-	-	-	5.8	5.7	37.8	13.1	-	-	-	-	-
87.0	80.0	-	0.0	0.0	0.0	8.4	59.6	9.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	19.5	3.2	68.4	-	-	-	-	-
87.0	90.0	-	-	-	-	0.0	25.8	58.7	-	-	5.0	-	-
90.0	28.0	-	0.0	0.0	3.2	0.0	0.0	0.0	-	8.5	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	0.0	0.0	6.3	0.0	-	2.5	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	3.1	6.4	6.2	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	0.0	-	5.5	15.4	3.3	-	4.8	2.9	0.0	0.0
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	6.0	-	4.3	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	3.1	6.1	6.6	-	1.6	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	0.0	9.1	0.0	-	11.4	-	-	-
90.0	70.0	-	0.0	9.2	3.3	8.0	37.2	-	-	3.4	3.1	0.0	0.0
90.0	75.0	-	-	-	25.5	10.3	5.5	6.5	-	-	-	-	-
90.0	80.0	-	0.0	0.0	-	0.0	187.3	6.8	-	-	12.8	0.0	0.0
90.0	85.0	-	-	-	3.8	9.7	31.5	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	0.0	9.2	27.1	41.0	-	-	0.0	-	-
93.0	30.0	0.0	0.0	0.0	0.0	5.7	6.1	2.7	-	0.7	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	3.3	-	0.0	0.0	0.0	0.0
93.0	45.0	-	0.0	0.0	-	27.5	6.7	3.3	-	0.0	0.0	-	-
93.0	50.0	0.0	0.0	0.0	3.2	5.2	0.0	0.0	-	4.5	2.4	0.0	0.0
93.0	55.0	-	-	-	0.0	5.4	3.0	3.3	-	0.0	0.0	-	-
93.0	60.0	3.5	0.0	0.0	0.0	5.6	6.5	9.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	35.4	48.8	0.0	9.7	-	2.7	-	-	-
93.0	70.0	0.0	-	0.0	15.6	20.3	19.3	0.0	-	20.4	2.4	0.0	2.7
93.0	75.0	-	-	-	-	43.3	62.2	23.0	-	-	-	-	-
93.0	80.0	0.0	0.0	0.0	18.7	8.7	16.7	44.8	-	-	8.1	0.0	0.0
93.0	85.0	-	-	-	-	30.7	24.8	7.0	-	-	-	-	-
93.0	90.0	-	-	-	-	6.7	12.3	23.3	-	-	25.6	-	-
97.0	30.0	-	0.0	0.0	0.0	0.0	2.2	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	0.0	0.0	0.0	0.0	-	13.6	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	11.8	3.1	43.4	-	-	0.0	0.0	0.0
97.0	40.0	-	0.0	0.0	0.0	16.4	3.1	0.0	-	-	2.8	0.0	0.0
97.0	45.0	-	0.0	0.0	0.0	14.1	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	1.6	0.0	5.5	0.0	2.9	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	6.0	42.7	0.0	0.0	-	-	2.7	-	-
97.0	60.0	0.0	0.0	0.0	14.0	45.7	9.1	2.8	-	-	6.4	0.0	0.0
97.0	65.0	-	-	-	16.0	6.4	21.2	6.1	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	54.1	34.2	76.7	33.8	-	-	5.2	-	-
97.0	75.0	-	-	-	12.9	15.4	5.9	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	6.4	40.5	9.0	3.0	-	-	8.3	-	-
97.0	85.0	-	-	-	-	8.9	6.0	17.5	-	-	-	-	-
97.0	90.0	-	-	-	-	5.4	5.9	40.0	-	-	0.0	-	-
100.0	29.0	-	-	-	3.3	0.0	0.0	-	-	-	4.0	0.0	0.0
100.0	30.0	0.0	0.0	0.0	3.0	7.6	-	10.8	-	-	2.5	0.0	0.0

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	33.0	-	-	-	-	-	3.2	-	-	-	-	-	-
100.0	35.0	-	-	-	0.0	23.7	-	36.9	-	-	2.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	16.0	2.6	14.4	0.0	-	-	0.0	0.0	2.8
100.0	45.0	-	-	0.0	3.0	3.1	17.4	2.5	-	-	25.9	-	-
100.0	50.0	0.0	2.4	3.6	-	2.9	12.0	11.3	-	-	-	2.6	0.0
100.0	55.0	-	-	-	6.2	2.0	37.2	13.4	-	-	8.5	-	-
100.0	60.0	0.0	0.0	0.0	6.0	25.6	39.1	5.2	-	-	-	37.2	0.0
100.0	65.0	-	-	-	25.5	20.0	30.5	20.4	-	-	-	-	-
100.0	70.0	0.0	0.0	0.0	0.0	27.6	3.3	8.7	-	-	28.2	-	-
100.0	75.0	-	-	-	0.0	18.3	3.2	2.6	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	0.0	25.4	3.0	9.3	-	-	9.3	-	-
100.0	85.0	-	-	-	0.0	0.0	8.8	36.8	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	5.3	6.0	22.6	-	-	18.5	-	-
103.0	30.0	0.0	10.6	0.0	33.8	0.0	0.0	2.4	-	-	-	-	-
103.0	32.0	-	-	-	-	-	-	-	-	-	18.9	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	6.2	5.0	-	-	28.8	-	-
103.0	40.0	0.0	0.0	0.0	13.4	75.2	36.4	22.3	-	-	28.2	-	-
103.0	45.0	-	-	0.0	9.1	12.3	31.1	27.6	-	-	42.0	-	-
103.0	50.0	0.0	0.0	0.0	114.8	74.4	202.3	0.0	-	-	13.0	-	-
103.0	55.0	-	-	-	47.0	369.5	107.2	47.3	-	-	22.9	-	-
103.0	60.0	0.0	0.0	3.5	123.5	75.9	72.3	0.0	-	-	21.0	-	-
103.0	65.0	-	-	-	31.7	9.0	-	16.9	-	-	-	-	-
103.0	70.0	0.0	0.0	0.0	0.0	16.7	-	0.0	-	-	2.9	-	-
103.0	75.0	-	-	-	3.2	7.8	-	2.9	-	-	-	-	-
103.0	80.0	-	-	-	17.1	15.3	-	0.0	-	-	15.1	-	-
103.0	85.0	-	-	-	13.6	39.0	-	29.0	-	-	-	-	-
103.0	90.0	-	-	-	44.1	167.0	-	2.8	-	-	5.3	-	-
107.0	32.0	0.0	0.0	3.1	63.4	-	3.2	14.3	-	-	11.7	-	-
107.0	35.0	0.0	0.0	0.0	32.5	3.1	25.0	13.4	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	18.9	85.8	22.8	35.9	-	-	22.1	-	-
107.0	45.0	-	-	0.0	0.0	22.5	6.2	8.8	-	-	31.1	-	-
107.0	50.0	0.0	2.9	0.0	54.2	39.5	12.8	0.0	-	-	96.1	-	-
107.0	55.0	-	-	-	49.4	213.8	9.1	0.0	-	-	89.1	-	-
107.0	60.0	-	0.0	0.0	71.0	487.6	3.1	0.0	-	-	74.6	-	-
107.0	65.0	-	-	-	96.9	103.4	-	2.8	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	38.7	118.2	-	0.0	-	-	5.5	-	-
107.0	75.0	-	-	-	6.5	63.6	-	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	16.4	-	0.0	-	-	0.0	-	-
107.0	85.0	-	-	-	61.0	32.1	-	0.0	-	-	-	-	-
107.0	90.0	-	-	-	21.8	48.3	-	0.0	-	-	17.6	-	-
110.0	33.0	0.0	0.0	3.0	24.3	4.1	3.0	0.0	29.1	6.1	6.7	-	-
110.0	35.0	0.0	2.8	0.0	45.9	12.8	6.4	5.6	5.7	0.0	2.7	-	-
110.0	40.0	0.0	2.8	3.8	5.9	18.1	12.7	19.9	3.0	9.8	10.2	-	-
110.0	45.0	-	-	0.0	67.4	45.8	3.3	8.5	-	-	14.4	-	-
110.0	50.0	0.0	0.0	0.0	37.6	14.5	6.5	0.0	-	-	4.4	-	-
110.0	55.0	-	-	-	42.0	0.0	6.3	0.0	-	-	32.6	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	60.0	5.5	4.8	0.0	59.6	24.2	0.0	0.0	-	-	35.3	-	-
110.0	65.0	-	-	-	6.3	130.8	-	0.0	-	-	-	-	-
110.0	70.0	0.0	2.6	0.0	71.7	38.5	3.2	0.0	-	-	76.8	-	-
110.0	75.0	-	-	-	14.5	0.0	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	0.0	6.2	5.7	10.3	11.6	0.0	-	-	7.5	-	-
110.0	85.0	-	-	-	28.8	3.9	-	-	-	-	-	-	-
110.0	90.0	0.0	0.0	0.0	9.5	3.5	-	-	-	-	19.0	-	-
113.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	-	-
113.0	35.0	0.0	11.0	3.1	2.9	4.2	6.7	9.8	0.0	10.7	11.5	-	-
113.0	40.0	0.0	0.0	5.9	20.5	12.5	5.4	-	9.2	55.6	80.6	-	-
113.0	45.0	-	2.8	3.3	64.6	153.6	0.0	6.6	-	-	18.3	-	-
113.0	50.0	0.0	10.6	0.0	28.4	170.1	4.2	8.9	-	-	4.5	-	-
113.0	55.0	-	-	-	10.6	53.3	0.0	0.0	-	-	11.8	-	-
113.0	60.0	0.0	5.3	0.0	106.6	24.8	52.9	0.0	-	-	7.5	-	-
113.0	65.0	-	-	-	44.0	3.5	10.1	3.1	-	-	-	-	-
113.0	70.0	0.0	-	6.6	15.9	0.0	2.7	0.0	-	-	54.6	-	-
113.0	75.0	-	-	-	5.4	7.1	-	6.0	-	-	-	-	-
113.0	80.0	-	-	-	6.2	6.0	-	5.9	-	-	27.0	-	-
113.0	85.0	-	-	-	5.8	6.8	-	-	-	-	-	-	-
113.0	90.0	-	-	-	0.0	3.0	-	-	-	-	14.2	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	2.8	-	-	-
115.0	40.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
117.0	26.0	0.0	0.0	2.4	4.5	0.0	0.0	0.0	3.0	0.0	0.0	-	-
117.0	30.0	0.0	17.5	0.0	0.0	0.0	3.2	3.1	0.0	3.0	4.2	-	-
117.0	35.0	0.0	0.0	2.9	19.7	142.8	0.0	0.0	0.0	3.1	13.5	-	-
117.0	40.0	18.1	3.2	2.7	44.4	39.5	9.2	0.0	0.0	8.4	11.8	-	-
117.0	45.0	-	-	17.1	58.1	4.5	5.5	0.0	-	-	33.9	-	-
117.0	50.0	6.3	0.0	6.3	80.9	16.0	5.3	9.3	-	-	136.0	-	-
117.0	55.0	-	-	-	175.0	12.2	9.1	3.0	-	-	50.4	-	-
117.0	60.0	0.0	2.9	14.5	31.7	74.7	6.0	2.8	-	-	53.4	-	-
117.0	65.0	-	-	-	11.2	356.5	9.2	15.9	-	-	-	-	-
117.0	70.0	0.0	-	8.9	35.3	38.0	0.0	24.7	-	-	7.4	-	-
117.0	75.0	-	-	-	6.8	4.7	-	5.1	-	-	-	-	-
117.0	80.0	-	-	-	25.3	0.0	-	14.5	-	-	11.6	-	-
117.0	85.0	-	-	-	0.0	3.6	-	-	-	-	-	-	-
117.0	90.0	-	-	-	3.0	3.8	-	-	-	-	7.2	-	-
118.0	39.0	3.2	3.5	0.0	9.6	155.8	0.0	0.0	-	-	28.2	-	-
119.0	33.0	0.0	0.0	0.0	0.0	4.6	3.1	0.0	0.0	0.0	0.0	-	-
120.0	30.0	-	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	2.4	-	-
120.0	35.0	0.0	0.0	1.9	17.2	5.1	0.0	3.3	3.0	0.0	0.0	-	-
120.0	45.0	3.0	24.2	64.4	7.7	53.0	0.0	3.3	30.8	25.1	33.3	-	-
120.0	50.0	5.9	0.0	6.0	86.1	102.8	3.0	0.0	-	-	17.2	-	-
120.0	55.0	-	-	-	70.0	17.3	2.5	0.0	-	-	72.5	-	-
120.0	60.0	0.0	0.0	0.0	160.8	48.2	0.0	-	-	-	140.2	-	-
120.0	65.0	-	-	-	86.8	64.4	18.6	11.9	-	-	-	-	-
120.0	70.0	3.3	0.0	6.2	11.9	24.6	18.2	36.5	-	-	11.9	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	75.0	-	-	-	9.3	3.5	12.1	9.9	-	-	-	-	-
120.0	80.0	14.9	4.8	0.0	10.1	8.0	7.2	27.9	-	-	9.1	-	-
120.0	85.0	-	-	-	2.7	22.3	25.7	16.6	-	-	-	-	-
120.0	90.0	-	2.7	2.8	25.4	53.7	3.0	38.0	-	-	5.9	-	-
123.0	37.0	17.6	4.7	0.0	0.0	10.5	0.0	0.0	0.0	40.0	8.6	-	-
123.0	42.0	3.5	17.2	17.7	42.0	19.6	0.0	2.9	8.7	76.4	58.2	-	-
123.0	45.0	-	-	-	32.6	-	-	15.8	16.1	-	40.7	-	-
123.0	50.0	0.0	52.9	108.5	0.0	16.6	0.0	6.0	-	-	47.9	-	-
123.0	55.0	-	-	-	9.8	24.1	22.4	0.0	-	-	113.2	-	-
123.0	60.0	19.0	39.3	8.2	45.3	65.5	20.6	8.8	-	-	55.4	-	-
123.0	70.0	3.3	-	-	3.1	-	-	0.0	-	-	71.9	-	-
123.0	80.0	-	-	-	2.4	-	-	-	-	-	26.8	-	-
127.0	34.0	9.8	2.8	8.3	0.0	0.0	4.5	0.0	0.0	0.0	14.6	-	-
127.0	40.0	0.0	0.0	17.5	0.0	0.0	2.7	0.0	6.8	15.3	6.9	-	-
127.0	45.0	-	0.0	8.9	-	0.0	-	0.0	128.9	14.9	38.7	-	-
127.0	50.0	12.6	22.1	3.1	2.3	0.0	9.1	20.9	-	-	14.3	-	-
127.0	55.0	-	-	-	65.8	12.3	-	8.2	-	-	8.7	-	-
127.0	60.0	2.9	90.9	0.0	21.6	16.3	-	2.9	-	-	-	-	-
127.0	70.0	0.0	-	-	24.9	-	-	-	-	-	0.0	-	-
127.0	80.0	-	-	-	0.0	-	-	-	-	-	2.9	-	-
130.0	30.0	0.0	5.0	3.0	16.4	0.0	2.3	0.0	0.0	0.0	0.0	-	-
130.0	35.0	6.4	2.6	9.8	5.9	15.3	0.0	0.0	0.0	0.0	5.6	-	-
130.0	40.0	0.0	5.0	0.0	2.8	17.6	0.0	27.2	13.2	6.0	5.3	-	-
130.0	45.0	-	2.7	10.3	23.9	0.0	0.0	10.5	41.0	28.3	6.4	-	-
130.0	50.0	0.0	0.0	10.6	54.2	12.5	0.0	5.6	-	-	8.2	-	-
130.0	55.0	-	-	-	14.6	0.0	-	-	-	-	5.6	-	-
130.0	60.0	0.0	0.0	3.4	0.0	3.6	-	3.0	-	-	2.6	-	-
130.0	80.0	-	-	-	18.1	-	-	-	-	-	-	-	-
133.0	25.0	0.0	0.0	0.0	20.4	13.2	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	0.0	0.0	7.6	13.6	8.5	0.0	0.0	0.0	0.0	2.6	-	-
133.0	35.0	-	0.0	44.0	-	13.6	0.0	0.0	-	-	5.5	-	-
133.0	40.0	0.0	17.4	3.3	23.6	3.2	0.0	23.9	-	-	0.0	-	-
133.0	45.0	-	-	-	24.7	0.0	5.4	0.0	-	-	2.9	-	-
133.0	50.0	0.0	0.0	0.0	11.5	11.2	5.5	0.0	-	-	2.9	-	-
133.0	55.0	-	-	-	0.0	-	-	3.0	-	-	10.6	-	-
133.0	60.0	2.9	-	-	-	-	-	5.6	-	-	8.2	-	-
133.0	65.0	-	-	-	4.0	-	-	-	-	-	-	-	-
133.0	70.0	-	-	-	5.8	-	-	-	-	-	-	-	-
133.0	80.0	-	-	-	3.1	-	-	-	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	2.2	-	-
137.0	30.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	28.9	0.0	-	-
137.0	35.0	0.0	0.0	3.2	65.5	5.9	0.0	0.0	-	-	2.8	-	-
137.0	40.0	0.0	0.0	27.8	43.2	2.7	0.0	2.5	-	-	2.8	-	-
137.0	45.0	-	-	-	10.0	45.8	0.0	0.0	-	-	17.5	-	-
137.0	50.0	0.0	2.3	0.0	6.2	9.0	3.4	0.0	-	-	0.0	-	-
137.0	55.0	-	-	-	3.1	-	-	0.0	-	-	5.4	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	60.0	0.0	-	-	0.0	-	-	2.8	-	-	8.5	-	-
140.0	30.0	0.0	2.9	11.4	-	-	-	-	-	-	4.8	-	-
140.0	35.0	0.0	0.0	3.0	-	-	-	-	-	-	0.0	-	-
140.0	40.0	0.0	0.0	27.8	-	-	-	-	-	-	0.0	-	-
140.0	50.0	0.0	2.7	0.0	-	-	-	-	-	-	0.0	-	-
140.0	60.0	0.0	-	-	-	-	-	-	-	-	3.0	-	-
143.0	26.0	0.0	0.0	3.8	-	-	-	-	-	-	0.0	-	-
143.0	40.0	0.0	0.0	11.9	-	-	-	-	-	-	2.6	-	-
143.0	50.0	0.0	-	-	-	-	-	-	-	-	2.3	-	-
143.0	55.0	-	-	-	-	-	-	-	-	-	2.8	-	-
147.0	25.0	0.0	0.0	3.1	-	-	-	-	-	-	5.3	-	-
147.0	30.0	0.0	0.0	12.4	-	-	-	-	-	-	0.0	-	-
147.0	40.0	0.0	9.5	0.0	-	-	-	-	-	-	0.0	-	-
147.0	50.0	-	-	-	-	-	-	-	-	-	7.9	-	-
147.0	60.0	-	-	-	-	-	-	-	-	-	2.8	-	-
150.0	19.0	0.0	2.5	0.0	-	-	-	-	-	-	0.0	-	-
150.0	25.0	0.0	0.0	0.0	-	-	-	-	-	-	2.9	-	-
150.0	55.0	-	-	-	-	-	-	-	-	-	5.5	-	-

Diogenichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	0.0	-	0.0
83.0	80.0	-	-	0.0	3.3	0.0	0.0	0.0	-	-	0.0	-	-
87.0	60.0	-	0.0	0.0	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	80.0	-	0.0	0.0	0.0	0.0	9.9	0.0	-	-	0.0	-	-
87.0	90.0	-	-	-	-	0.0	0.0	3.1	-	-	0.0	-	-
90.0	75.0	-	-	-	0.0	0.0	0.0	3.3	-	-	-	-	-
90.0	90.0	-	0.0	3.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	75.0	-	-	-	-	3.6	0.0	0.0	-	-	-	-	-
93.0	145.0	-	-	-	3.0	-	-	-	-	-	-	-	-
97.0	85.0	-	-	-	-	0.0	0.0	2.9	-	-	-	-	-
97.0	90.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
100.0	50.0	0.0	2.4	0.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	70.0	0.0	0.0	3.7	3.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	75.0	-	-	-	6.1	0.0	0.0	0.0	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	-	-	0.0	-	-
103.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	-	-	0.0	-	-
103.0	70.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-
103.0	80.0	-	-	-	0.0	3.1	-	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Diogenichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	60.0	–	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	45.0	–	–	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	–	–	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	3.1	0.0	–	–
113.0	70.0	0.0	–	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	–
120.0	65.0	–	–	–	0.0	0.0	0.0	3.0	–	–	–	–	–
120.0	80.0	0.0	0.0	0.0	0.0	0.0	9.6	10.2	–	–	0.0	–	–
120.0	90.0	–	0.0	0.0	6.4	0.0	0.0	0.0	–	–	0.0	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–
123.0	70.0	0.0	–	–	0.0	–	–	5.8	–	–	0.0	–	–

Diogenichthys atlanticus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	–	–	–	3.1	0.0	0.0	0.0	–	–	–	0.0	–
60.0	100.0	–	–	–	3.3	–	–	–	–	–	–	0.0	–
60.0	110.0	–	–	–	4.0	–	–	–	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	5.7	0.0	–	–	0.0	–	–
63.0	110.0	–	–	–	6.8	–	–	–	–	–	–	–	–
67.0	50.0	–	–	–	3.2	0.0	0.0	0.0	–	–	0.0	–	–
67.0	60.0	0.0	–	–	3.7	0.0	0.0	0.0	–	–	0.0	–	–
67.0	90.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	–	–
67.0	110.0	–	–	–	16.2	–	–	–	–	–	–	–	–
73.0	80.0	–	–	–	4.3	2.9	8.8	0.0	–	–	0.0	–	–
73.0	85.0	–	–	–	5.8	–	–	–	–	–	–	–	–
73.0	90.0	–	–	0.0	0.0	2.8	9.5	–	–	–	–	0.0	–
77.0	80.0	–	–	–	5.6	0.0	3.0	0.0	–	–	0.0	–	–
77.0	85.0	–	–	–	2.2	–	–	2.2	–	–	–	–	–
77.0	90.0	–	–	0.0	0.0	0.0	0.0	6.5	–	–	–	0.0	–
80.0	80.0	0.0	0.0	0.0	3.0	0.0	2.7	0.0	–	–	0.0	–	0.0
80.0	90.0	–	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
80.0	100.0	–	–	–	2.1	–	–	–	–	–	–	–	–
80.0	110.0	–	–	–	2.9	–	–	–	–	–	–	–	–
80.0	120.0	–	–	–	16.7	–	–	–	–	–	–	–	–
80.0	130.0	–	–	–	11.1	–	–	–	–	–	–	–	–
83.0	70.0	0.0	–	0.0	0.0	0.0	0.0	6.1	–	–	2.3	–	–
83.0	75.0	–	–	–	3.5	0.0	0.0	0.0	–	–	–	–	–
83.0	85.0	–	–	–	–	0.0	11.8	0.0	–	–	–	–	–
83.0	90.0	–	–	–	–	0.0	11.9	0.0	–	–	0.0	–	–
87.0	65.0	–	–	–	0.0	2.6	3.1	2.9	–	–	–	–	–
87.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.3	–	–
87.0	75.0	–	–	–	5.8	2.9	2.7	3.3	–	–	–	–	–
87.0	80.0	–	3.1	4.1	0.0	2.8	0.0	0.0	–	–	0.0	–	–
87.0	90.0	–	–	–	–	5.8	0.0	0.0	–	–	0.0	–	–
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	2.3	–	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	2.8	0.0	0.0	0.0
90.0	60.0	–	3.2	3.3	0.0	0.0	0.0	0.0	–	6.9	0.0	0.0	0.0
90.0	65.0	–	–	–	0.0	0.0	0.0	3.3	–	11.1	–	–	–
90.0	70.0	–	2.6	0.0	0.0	0.0	3.1	–	–	1.3	15.7	0.0	2.5
90.0	75.0	–	–	–	4.6	0.0	0.0	0.0	–	–	–	–	–
90.0	80.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.6	2.9	0.0
90.0	90.0	–	0.0	0.0	3.2	0.0	12.0	0.0	–	–	0.0	–	–
90.0	130.0	–	–	–	6.3	–	–	–	–	–	–	–	–
90.0	145.0	–	–	–	2.7	–	–	–	–	–	–	–	–
93.0	45.0	–	3.1	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–
93.0	50.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	70.0	0.0	–	0.0	0.0	2.9	0.0	0.0	–	2.7	0.0	0.0	0.0
93.0	75.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
93.0	80.0	7.1	0.0	0.0	0.0	5.8	0.0	0.0	–	–	0.0	11.3	2.5
93.0	85.0	–	–	–	–	6.1	0.0	0.0	–	–	–	–	–
97.0	35.0	–	–	–	0.0	2.9	0.0	0.0	–	–	0.0	0.0	0.0
97.0	40.0	–	6.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.7	2.7
97.0	70.0	0.0	0.0	0.0	0.0	0.0	14.8	3.1	–	–	0.0	–	–
97.0	80.0	0.0	3.1	0.0	3.2	6.8	0.0	0.0	–	–	0.0	–	–
100.0	29.0	–	–	–	3.3	0.0	0.0	–	–	–	0.0	0.0	0.0
100.0	35.0	–	–	–	0.0	0.0	–	5.7	–	–	0.0	0.0	0.0
100.0	40.0	0.0	5.7	0.0	0.0	0.0	0.0	2.9	–	–	0.0	0.0	0.0
100.0	55.0	–	–	–	0.0	0.0	3.1	0.0	–	–	0.0	–	–
100.0	60.0	6.2	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	0.0	0.0
100.0	65.0	–	–	–	0.0	2.9	0.0	0.0	–	–	–	–	–
100.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	2.6	–	–
100.0	75.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
100.0	80.0	3.4	0.0	0.0	0.0	2.8	0.0	0.0	–	–	2.3	–	–
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	–
103.0	40.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	–	–	0.0	–	–
103.0	45.0	–	–	0.0	0.0	0.0	12.4	0.0	–	–	0.0	–	–
103.0	50.0	0.0	0.0	0.0	0.0	5.7	5.8	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	0.0	7.4	0.0	0.0	–	–	0.0	–	–
103.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–	0.0	–	–
103.0	70.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–	5.8	–	–
103.0	85.0	–	–	–	0.0	3.3	–	0.0	–	–	–	–	–
107.0	32.0	2.4	3.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
107.0	35.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	–	–	–
107.0	40.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	–	–	2.5	–	–
107.0	55.0	–	–	–	3.5	0.0	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	0.0	0.0	–	0.0	–	–	2.5	–	–
110.0	35.0	0.0	22.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–
110.0	40.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	45.0	–	–	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	–
110.0	70.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–	0.0	–	–
110.0	90.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.4	–	–
113.0	45.0	–	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–
120.0	60.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	–	0.0	–	–

Diogenichthys laternatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	80.0	–	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	–
90.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	2.7
100.0	30.0	2.5	0.0	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	35.0	–	–	–	0.0	0.0	–	0.0	–	–	0.0	0.0	2.8
100.0	45.0	–	–	0.0	9.0	0.0	0.0	0.0	–	–	0.0	–	–
100.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	8.6	0.0
103.0	40.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	45.0	–	–	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	50.0	0.0	9.1	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	6.7	7.4	2.8	2.8	–	–	2.5	–	–
103.0	60.0	0.0	0.0	0.0	13.7	0.0	0.0	0.0	–	–	0.0	–	–
103.0	80.0	–	–	–	3.4	0.0	–	0.0	–	–	0.0	–	–
103.0	85.0	–	–	–	0.0	0.0	–	11.6	–	–	–	–	–
103.0	90.0	–	–	–	3.2	40.3	–	0.0	–	–	0.0	–	–
107.0	35.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
107.0	50.0	3.6	40.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	7.1	3.3	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	7.1	16.7	0.0	0.0	–	–	4.7	–	–
107.0	65.0	–	–	–	20.8	0.0	–	0.0	–	–	–	–	–
107.0	70.0	0.0	0.0	0.0	0.0	12.1	–	0.0	–	–	0.0	–	–
107.0	80.0	–	–	–	6.9	0.0	–	0.0	–	–	2.7	–	–
107.0	85.0	–	–	–	30.5	0.0	–	0.0	–	–	–	–	–
107.0	90.0	–	–	–	7.3	22.9	–	0.0	–	–	7.5	–	–
110.0	33.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	35.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	9.5	53.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
110.0	45.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	7.2	–	–
110.0	50.0	25.5	8.6	0.0	0.0	0.0	0.0	0.0	–	–	4.4	–	–
110.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	7.0	–	–
110.0	60.0	101.4	14.4	0.0	11.4	3.0	6.2	0.0	–	–	32.3	–	–
110.0	70.0	13.9	7.9	0.0	0.0	0.0	0.0	0.0	–	–	11.3	–	–
110.0	80.0	19.7	0.0	0.0	0.0	0.0	2.3	0.0	–	–	0.0	–	–
110.0	90.0	0.0	5.5	0.0	6.3	3.5	–	–	–	–	11.9	–	–
113.0	30.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	1.9	–	–
113.0	35.0	46.8	11.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	40.0	30.3	20.4	2.9	0.0	0.0	0.0	–	0.0	0.0	2.2	–	–
113.0	45.0	–	22.3	0.0	13.6	9.6	2.1	0.0	–	–	2.6	–	–
113.0	50.0	37.1	34.5	0.0	0.0	72.4	0.0	0.0	–	–	11.4	–	–
113.0	55.0	–	–	–	0.0	24.9	5.4	0.0	–	–	0.0	–	–
113.0	60.0	17.1	8.0	21.8	0.0	3.5	0.0	0.0	–	–	2.5	–	–
113.0	65.0	–	–	–	29.3	0.0	5.0	0.0	–	–	–	–	–
113.0	70.0	12.9	–	3.3	0.0	0.0	0.0	0.0	–	–	27.3	–	–
113.0	80.0	–	–	–	0.0	0.0	–	0.0	–	–	5.4	–	–
113.0	90.0	–	–	–	0.0	3.0	–	–	–	–	0.0	–	–
117.0	26.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	0.0	5.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.3	–	–
117.0	40.0	24.2	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–
117.0	45.0	–	–	8.6	12.9	0.0	0.0	0.0	–	–	4.5	–	–
117.0	50.0	28.4	2.8	0.0	2.9	8.0	0.0	0.0	–	–	46.8	–	–
117.0	55.0	–	–	–	24.6	0.0	18.2	0.0	–	–	18.6	–	–
117.0	60.0	14.1	0.0	2.9	40.3	9.3	3.0	0.0	–	–	4.6	–	–
117.0	65.0	–	–	–	8.4	0.0	6.9	0.0	–	–	–	–	–
117.0	70.0	12.3	–	3.0	11.8	9.5	2.5	0.0	–	–	0.0	–	–
117.0	75.0	–	–	–	3.4	0.0	–	0.0	–	–	–	–	–
117.0	80.0	–	–	–	10.8	13.6	–	2.9	–	–	9.6	–	–
117.0	90.0	–	–	–	0.0	3.8	–	–	–	–	7.2	–	–
118.0	39.0	0.0	13.9	0.0	3.2	0.0	0.0	0.0	–	–	15.4	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	–	–
120.0	40.0	–	4.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–
120.0	45.0	32.9	42.4	20.3	5.1	4.8	2.3	9.8	6.8	0.0	9.1	–	–
120.0	50.0	29.6	0.0	9.0	0.0	18.4	3.0	0.0	–	–	7.4	–	–
120.0	55.0	–	–	–	2.8	8.7	0.0	0.0	–	–	19.5	–	–
120.0	60.0	18.3	0.0	2.9	10.1	0.0	0.0	–	–	–	38.0	–	–
120.0	65.0	–	–	–	0.0	7.6	0.0	0.0	–	–	–	–	–
120.0	70.0	53.6	9.5	3.1	0.0	21.1	3.0	3.3	–	–	0.0	–	–
120.0	75.0	–	–	–	0.0	21.3	2.4	6.6	–	–	–	–	–
120.0	80.0	23.8	9.6	0.0	5.1	55.7	0.0	0.0	–	–	0.0	–	–
120.0	85.0	–	–	–	0.0	26.7	2.3	2.8	–	–	–	–	–
120.0	90.0	–	8.0	0.0	0.0	12.4	0.0	3.2	–	–	0.0	–	–
123.0	37.0	0.0	0.0	5.4	0.0	26.3	10.0	0.0	0.0	20.0	0.0	–	–
123.0	42.0	10.6	10.3	38.4	14.0	16.3	0.0	0.0	0.0	35.3	40.7	–	–
123.0	45.0	–	–	–	3.3	–	–	15.8	2.7	–	15.7	–	–
123.0	50.0	7.9	17.6	25.5	5.7	6.6	0.0	0.0	–	–	34.2	–	–
123.0	55.0	–	–	–	9.8	0.0	11.2	0.0	–	–	34.3	–	–
123.0	60.0	19.0	13.9	24.5	6.0	3.6	0.0	5.9	–	–	3.3	–	–
123.0	70.0	20.0	–	–	3.1	–	–	0.0	–	–	6.5	–	–
123.0	80.0	–	–	–	0.0	–	–	–	–	–	16.8	–	–
127.0	34.0	0.0	2.8	5.5	15.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	40.0	3.5	6.4	17.5	25.1	4.3	0.0	0.0	13.6	7.7	30.9	–	–
127.0	45.0	–	5.4	59.6	–	7.7	–	0.0	21.5	35.8	26.8	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	50.0	6.3	15.8	97.3	11.6	21.7	24.2	31.3	-	-	31.3	-	-
127.0	55.0	-	-	-	28.9	8.2	-	8.2	-	-	8.7	-	-
127.0	60.0	0.0	25.6	0.0	37.1	12.2	-	38.2	-	-	-	-	-
127.0	70.0	37.7	-	-	33.2	-	-	-	-	-	0.0	-	-
127.0	80.0	-	-	-	2.9	-	-	-	-	-	5.7	-	-
130.0	30.0	0.0	0.0	0.0	0.0	27.2	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	0.0	0.0	6.6	11.8	206.8	0.0	0.0	0.0	0.0	28.2	-	-
130.0	40.0	0.0	2.5	5.9	5.7	13.2	0.0	66.4	23.0	0.0	18.7	-	-
130.0	45.0	-	16.4	41.2	23.9	4.2	38.0	2.6	31.5	53.1	6.4	-	-
130.0	50.0	0.0	29.1	13.3	30.1	33.4	0.0	2.8	-	-	24.7	-	-
130.0	55.0	-	-	-	26.3	0.0	-	-	-	-	2.8	-	-
130.0	60.0	0.0	3.4	0.0	0.0	7.3	-	5.9	-	-	5.2	-	-
130.0	70.0	-	-	-	6.6	-	-	-	-	-	-	-	-
130.0	80.0	-	-	-	33.2	-	-	-	-	-	-	-	-
133.0	25.0	2.3	0.0	5.3	35.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	5.2	0.0	2.5	32.5	5.7	9.1	2.7	0.0	0.0	0.0	-	-
133.0	35.0	-	0.0	47.7	-	13.6	16.9	27.4	-	-	0.0	-	-
133.0	40.0	2.8	0.0	65.4	44.5	9.5	5.7	16.0	-	-	39.8	-	-
133.0	45.0	-	-	-	12.4	0.0	8.0	0.0	-	-	38.2	-	-
133.0	50.0	0.0	2.5	3.3	25.9	18.7	110.4	5.6	-	-	2.9	-	-
133.0	55.0	-	-	-	0.0	-	-	3.0	-	-	2.7	-	-
133.0	60.0	5.9	-	-	-	-	-	33.8	-	-	16.4	-	-
133.0	70.0	-	-	-	8.6	-	-	-	-	-	-	-	-
133.0	80.0	-	-	-	3.1	-	-	-	-	-	-	-	-
137.0	30.0	6.3	0.0	12.0	0.0	0.0	0.0	0.0	3.1	61.4	0.0	-	-
137.0	35.0	0.0	2.7	9.5	28.5	70.3	41.1	5.6	-	-	0.0	-	-
137.0	40.0	0.0	0.0	38.2	57.6	8.2	31.4	2.5	-	-	0.0	-	-
137.0	45.0	-	-	-	0.0	16.4	0.0	10.5	-	-	0.0	-	-
137.0	50.0	0.0	4.7	0.0	3.1	6.0	10.3	15.1	-	-	13.3	-	-
137.0	55.0	-	-	-	12.4	-	-	20.9	-	-	119.7	-	-
137.0	60.0	2.8	-	-	0.0	-	-	48.3	-	-	48.1	-	-
137.0	70.0	-	-	-	9.1	-	-	-	-	-	-	-	-
137.0	80.0	-	-	-	20.6	-	-	-	-	-	-	-	-
140.0	30.0	2.7	0.0	26.6	-	-	-	-	-	-	0.0	-	-
140.0	35.0	0.0	0.0	6.0	-	-	-	-	-	-	8.1	-	-
140.0	40.0	0.0	0.0	30.9	-	-	-	-	-	-	0.0	-	-
140.0	50.0	0.0	0.0	6.7	-	-	-	-	-	-	2.5	-	-
140.0	55.0	-	-	-	-	-	-	-	-	-	6.0	-	-
140.0	60.0	2.6	-	-	-	-	-	-	-	-	6.0	-	-
143.0	30.0	0.0	3.9	39.2	-	-	-	-	-	-	8.3	-	-
143.0	35.0	0.0	3.5	5.8	-	-	-	-	-	-	7.9	-	-
143.0	40.0	7.1	3.5	23.8	-	-	-	-	-	-	5.3	-	-
143.0	50.0	0.0	-	-	-	-	-	-	-	-	18.6	-	-
143.0	60.0	5.5	-	-	-	-	-	-	-	-	5.6	-	-
147.0	20.0	0.0	12.4	0.0	-	-	-	-	-	-	10.9	-	-
147.0	25.0	0.0	2.4	12.6	-	-	-	-	-	-	5.3	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	30.0	0.0	5.5	3.1	–	–	–	–	–	–	0.0	–	–
147.0	40.0	11.0	159.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	45.0	–	–	–	–	–	–	–	–	–	2.8	–	–
147.0	50.0	–	–	–	–	–	–	–	–	–	13.1	–	–
147.0	55.0	–	–	–	–	–	–	–	–	–	5.2	–	–
147.0	60.0	–	–	–	–	–	–	–	–	–	5.5	–	–
150.0	19.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	25.0	10.5	4.2	18.8	–	–	–	–	–	–	0.0	–	–
150.0	30.0	0.0	3.2	12.4	–	–	–	–	–	–	16.1	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	16.7	–	–
150.0	40.0	0.0	116.8	0.0	–	–	–	–	–	–	2.5	–	–
150.0	50.0	–	–	–	–	–	–	–	–	–	2.7	–	–
150.0	55.0	–	–	–	–	–	–	–	–	–	5.5	–	–
153.0	16.0	5.3	–	–	–	–	–	–	–	–	12.0	–	–
153.0	20.0	3.1	–	–	–	–	–	–	–	–	0.0	–	–
153.0	30.0	6.6	–	–	–	–	–	–	–	–	8.7	–	–
153.0	40.0	59.4	–	–	–	–	–	–	–	–	0.0	–	–
153.0	45.0	–	–	–	–	–	–	–	–	–	3.0	–	–
153.0	50.0	2.2	–	–	–	–	–	–	–	–	6.0	–	–
153.0	55.0	–	–	–	–	–	–	–	–	–	2.9	–	–
157.0	10.0	36.5	–	–	–	–	–	–	–	–	–	–	–
157.0	20.0	251.5	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	33.3	–	–	–	–	–	–	–	–	–	–	–
157.0	40.0	20.6	–	–	–	–	–	–	–	–	–	–	–

Gonichthys tenuiculus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	65.0	–	–	–	0.0	0.0	0.0	0.0	–	1.3	–	–	–
93.0	80.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	0.0	0.0
100.0	50.0	0.0	0.0	3.6	–	0.0	0.0	0.0	–	–	–	0.0	0.0
103.0	60.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	85.0	–	–	–	0.0	3.3	–	0.0	–	–	–	–	–
107.0	50.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	70.0	0.0	0.0	14.3	0.0	3.0	–	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	7.3	5.1	–	0.0	–	–	0.0	–	–
110.0	40.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	50.0	11.3	5.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	70.0	2.8	10.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	75.0	–	–	–	3.6	0.0	0.0	0.0	–	–	–	–	–
110.0	80.0	5.6	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	90.0	0.0	5.5	0.0	0.0	0.0	–	–	–	–	0.0	–	–
113.0	35.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Gonichthys tenuiculus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	45.0	-	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	2.7	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	2.9	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	16.1	-	16.5	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	40.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
117.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	6.1	0.0	0.0	0.0	-	-	0.0	-	-
117.0	60.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-	-	2.3	-	-
117.0	65.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	21.6	-	0.0	8.8	4.8	4.9	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	0.0	4.7	-	0.0	-	-	-	-	-
117.0	80.0	-	-	-	0.0	4.5	-	0.0	-	-	0.0	-	-
120.0	45.0	0.0	9.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	8.9	4.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	3.7	0.0	2.9	0.0	0.0	0.0	-	-	-	2.9	-	-
120.0	70.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	0.0	0.0	0.0	3.3	-	-	-	-	-
120.0	80.0	20.8	4.8	2.8	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	8.3	0.0	0.0	-	-	0.0	-	-
123.0	37.0	2.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	3.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	50.0	0.0	0.0	19.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
123.0	60.0	12.7	2.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	34.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.8	0.0	-	-
127.0	45.0	-	0.0	0.0	-	0.0	-	0.0	3.1	0.0	3.0	-	-
127.0	50.0	6.3	0.0	6.3	2.3	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	-	-	13.2	0.0	-	0.0	-	-	0.0	-	-
127.0	60.0	0.0	17.0	0.0	3.1	0.0	-	0.0	-	-	-	-	-
127.0	70.0	0.0	-	-	5.5	-	-	-	-	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	45.0	-	0.0	6.9	2.7	0.0	0.0	0.0	0.0	3.5	0.0	-	-
130.0	50.0	0.0	0.0	5.3	15.1	4.2	0.0	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	8.8	0.0	-	-	-	-	0.0	-	-
130.0	60.0	0.0	3.4	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
133.0	35.0	-	0.0	3.7	-	0.0	0.0	0.0	-	-	0.0	-	-
133.0	40.0	5.5	13.9	6.5	7.9	3.2	2.8	0.0	-	-	0.0	-	-
133.0	50.0	0.0	0.0	3.3	8.6	7.5	2.8	0.0	-	-	0.0	-	-
133.0	60.0	0.0	-	-	-	-	-	2.8	-	-	0.0	-	-
133.0	65.0	-	-	-	8.0	-	-	-	-	-	-	-	-
137.0	30.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	35.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Gonichthys tenuiculus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	40.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	–	–	5.6	–	–
137.0	50.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	–	–	0.0	–	–
137.0	55.0	–	–	–	3.1	–	–	0.0	–	–	8.2	–	–
137.0	60.0	2.8	–	–	6.5	–	–	2.8	–	–	0.0	–	–
140.0	40.0	0.0	0.0	12.4	–	–	–	–	–	–	0.0	–	–
140.0	50.0	0.0	0.0	6.7	–	–	–	–	–	–	0.0	–	–
140.0	60.0	2.6	–	–	–	–	–	–	–	–	0.0	–	–
143.0	30.0	0.0	7.7	0.0	–	–	–	–	–	–	0.0	–	–
143.0	35.0	2.8	3.5	0.0	–	–	–	–	–	–	0.0	–	–
143.0	40.0	2.4	0.0	8.9	–	–	–	–	–	–	2.6	–	–
143.0	50.0	0.0	–	–	–	–	–	–	–	–	2.3	–	–
147.0	25.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–
147.0	30.0	3.2	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	40.0	2.2	3.2	3.6	–	–	–	–	–	–	0.0	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	5.7	–	–
150.0	30.0	0.0	3.2	0.0	–	–	–	–	–	–	0.0	–	–
153.0	50.0	4.3	–	–	–	–	–	–	–	–	0.0	–	–

Hygophum spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	65.0	–	–	–	0.0	0.0	0.0	0.0	–	1.4	–	–	–
90.0	145.0	–	–	–	8.2	–	–	–	–	–	–	–	–
93.0	65.0	–	–	–	3.0	0.0	0.0	0.0	–	0.0	–	–	–
97.0	55.0	–	–	–	0.0	6.1	0.0	0.0	–	–	0.0	–	–
100.0	85.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	–	–
103.0	70.0	3.3	0.0	0.0	0.0	0.0	–	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	0.0	0.0	–	0.0	–	–	2.5	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	–
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	–
110.0	80.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	45.0	–	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	55.0	–	–	–	0.0	3.5	0.0	0.0	–	–	0.0	–	–
117.0	26.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	–	–
117.0	40.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	70.0	24.6	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
118.0	39.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	–	–	0.0	–	–
120.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.8	–	–
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	8.8	–	–
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
127.0	50.0	0.0	3.2	3.1	0.0	0.0	0.0	0.0	–	–	5.7	–	–
127.0	55.0	–	–	–	2.6	0.0	–	0.0	–	–	0.0	–	–
127.0	60.0	0.0	0.0	2.9	0.0	0.0	–	0.0	–	–	–	–	–

TABLE 4. (cont.)

Hygophum spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	45.0	-	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	0.0	6.8	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	-	-	0.0	-	-
133.0	55.0	-	-	-	2.9	-	-	0.0	-	-	0.0	-	-
137.0	60.0	0.0	-	-	0.0	-	-	0.0	-	-	8.5	-	-
140.0	30.0	0.0	0.0	3.8	-	-	-	-	-	-	0.0	-	-
143.0	26.0	0.0	4.4	0.0	-	-	-	-	-	-	0.0	-	-
143.0	55.0	-	-	-	-	-	-	-	-	-	2.8	-	-
147.0	25.0	0.0	0.0	0.0	-	-	-	-	-	-	2.6	-	-
147.0	50.0	-	-	-	-	-	-	-	-	-	5.2	-	-
150.0	25.0	0.0	0.0	0.0	-	-	-	-	-	-	2.9	-	-
150.0	30.0	0.0	3.2	0.0	-	-	-	-	-	-	2.7	-	-
150.0	35.0	-	-	-	-	-	-	-	-	-	5.6	-	-
150.0	40.0	0.0	0.0	0.0	-	-	-	-	-	-	30.5	-	-
150.0	45.0	-	-	-	-	-	-	-	-	-	2.7	-	-
153.0	30.0	0.0	-	-	-	-	-	-	-	-	2.9	-	-
153.0	40.0	22.0	-	-	-	-	-	-	-	-	0.0	-	-
153.0	50.0	0.0	-	-	-	-	-	-	-	-	3.0	-	-

Hygophum atratum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	55.0	-	-	-	3.4	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	3.5	0.0	0.0	0.0	-	-	2.7	-	-
110.0	50.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.3	-	-
110.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	50.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	2.9	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	6.4	-	3.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	80.0	-	-	-	0.0	0.0	-	0.0	-	-	2.7	-	-
117.0	45.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
117.0	60.0	0.0	0.0	2.9	5.8	4.7	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
117.0	80.0	-	-	-	0.0	4.5	-	0.0	-	-	0.0	-	-
117.0	90.0	-	-	-	0.0	3.8	-	-	-	-	0.0	-	-
120.0	40.0	-	1.3	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-
120.0	55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	0.0	-	-
120.0	70.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	80.0	5.9	4.8	0.0	0.0	0.0	0.0	2.5	-	-	0.0	-	-
123.0	37.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

Hygophum atratum (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	50.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	60.0	9.5	2.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	70.0	0.0	–	–	0.0	–	–	2.9	–	–	0.0	–	–
127.0	34.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	3.1	3.0	8.9	–	–
127.0	50.0	6.3	0.0	0.0	0.0	0.0	0.0	3.5	–	–	0.0	–	–
127.0	60.0	0.0	14.2	0.0	12.4	0.0	–	2.9	–	–	–	–	–
127.0	70.0	2.9	–	–	0.0	–	–	–	–	–	0.0	–	–
130.0	30.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	35.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	45.0	–	0.0	0.0	5.3	0.0	0.0	0.0	0.0	24.8	0.0	–	–
130.0	50.0	0.0	0.0	2.7	0.0	0.0	0.0	2.8	–	–	0.0	–	–
130.0	60.0	0.0	0.0	0.0	2.9	3.6	–	0.0	–	–	0.0	–	–
133.0	35.0	–	0.0	11.0	–	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	8.3	10.4	6.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	50.0	0.0	2.5	3.3	0.0	0.0	0.0	5.6	–	–	0.0	–	–
133.0	65.0	–	–	–	4.0	–	–	–	–	–	–	–	–
133.0	70.0	–	–	–	5.8	–	–	–	–	–	–	–	–
137.0	30.0	3.2	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.6	–	–
137.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	–	–	2.7	–	–
137.0	55.0	–	–	–	0.0	–	–	6.0	–	–	13.6	–	–
137.0	60.0	2.8	–	–	0.0	–	–	8.5	–	–	0.0	–	–
140.0	35.0	0.0	0.0	6.0	–	–	–	–	–	–	0.0	–	–
140.0	40.0	2.7	0.0	6.2	–	–	–	–	–	–	0.0	–	–
140.0	55.0	–	–	–	–	–	–	–	–	–	3.0	–	–
140.0	60.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–
143.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	7.9	–	–
143.0	40.0	7.1	3.5	23.8	–	–	–	–	–	–	2.6	–	–
143.0	50.0	2.9	–	–	–	–	–	–	–	–	14.0	–	–
143.0	60.0	2.7	–	–	–	–	–	–	–	–	0.0	–	–
147.0	20.0	3.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	11.1	0.0	–	–	–	–	–	–	0.0	–	–
147.0	40.0	4.4	44.5	0.0	–	–	–	–	–	–	0.0	–	–
150.0	19.0	0.0	0.0	5.6	–	–	–	–	–	–	0.0	–	–
150.0	25.0	0.0	0.0	5.4	–	–	–	–	–	–	0.0	–	–
150.0	30.0	6.8	0.0	3.1	–	–	–	–	–	–	0.0	–	–
150.0	40.0	0.0	11.7	0.0	–	–	–	–	–	–	0.0	–	–
153.0	16.0	16.0	–	–	–	–	–	–	–	–	6.0	–	–
153.0	20.0	12.6	–	–	–	–	–	–	–	–	0.0	–	–
153.0	50.0	10.8	–	–	–	–	–	–	–	–	0.0	–	–
157.0	20.0	64.8	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	35.7	–	–	–	–	–	–	–	–	–	–	–
157.0	40.0	8.9	–	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Hygophum reinhardtii

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	80.0	–	–	–	–	0.0	0.0	0.0	–	–	2.7	–	–
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.7	0.0	0.0
93.0	90.0	–	–	–	–	0.0	0.0	0.0	–	–	2.8	–	–
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
110.0	90.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.4	–	–
113.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–

Loweina rara

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	145.0	–	–	–	3.0	–	–	–	–	–	–	–	–
103.0	60.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	60.0	0.0	0.0	2.9	2.9	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	2.4	0.0	0.0	0.0	0.0	–	–	–	0.0	–	–
120.0	80.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	80.0	–	–	–	2.4	–	–	–	–	–	0.0	–	–
127.0	80.0	–	–	–	0.0	–	–	–	–	–	2.9	–	–

Myctophum aurolaternatum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	30.0	0.0	3.9	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	11.1	0.0	–	–	–	–	–	–	0.0	–	–
147.0	40.0	0.0	3.2	0.0	–	–	–	–	–	–	0.0	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	2.9	–	–
150.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	2.8	–	–
150.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.5	–	–
153.0	40.0	4.4	–	–	–	–	–	–	–	–	0.0	–	–
153.0	50.0	4.3	–	–	–	–	–	–	–	–	0.0	–	–
157.0	10.0	3.3	–	–	–	–	–	–	–	–	–	–	–
157.0	20.0	118.1	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	59.5	–	–	–	–	–	–	–	–	–	–	–
157.0	40.0	5.9	–	–	–	–	–	–	–	–	–	–	–

Myctophum nitidulum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	80.0	–	0.0	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	–
90.0	65.0	–	–	–	0.0	0.0	0.0	0.0	–	3.4	–	–	–
90.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	3.1	0.0	0.0
90.0	75.0	–	–	–	0.0	0.0	2.7	0.0	–	–	–	–	–
90.0	85.0	–	–	–	0.0	0.0	3.2	0.0	–	–	–	–	–

TABLE 4. (cont.)

Myctophum nitidulum (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	90.0	-	1.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
90.0	130.0	-	-	-	6.3	-	-	-	-	-	-	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.5
93.0	90.0	-	-	-	-	0.0	0.0	0.0	-	-	2.8	-	-
97.0	50.0	-	1.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.3	0.0
97.0	80.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	-	2.8	-	-
100.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	0.0	0.0
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
100.0	85.0	-	-	-	0.0	0.0	0.0	3.1	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	5.3	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	5.0	2.8	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	0.0	10.3	5.4	0.0	0.0	-	-	0.0	-	-
103.0	65.0	-	-	-	3.2	0.0	-	0.0	-	-	-	-	-
103.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	8.8	-	-
103.0	90.0	-	-	-	0.0	5.8	-	0.0	-	-	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	2.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	-
107.0	70.0	0.0	3.2	0.0	3.5	0.0	-	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	10.2	-	0.0	-	-	2.5	-	-
110.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	55.0	-	-	-	6.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	-	-	0.0	-	-
110.0	65.0	-	-	-	0.0	3.3	-	0.0	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	90.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	11.9	-	-
113.0	45.0	-	0.0	0.0	3.4	0.0	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	3.4	3.5	0.0	0.0	-	-	0.0	-	-
117.0	50.0	0.0	0.0	3.1	2.9	0.0	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	0.0	4.8	0.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	0.0	-	2.9	-	-	0.0	-	-
117.0	90.0	-	-	-	0.0	0.0	-	-	-	-	2.4	-	-
120.0	65.0	-	-	-	0.0	3.8	0.0	0.0	-	-	-	-	-
120.0	80.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	85.0	-	-	-	0.0	4.4	0.0	2.8	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	34.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Protomyctophum crockeri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	-	-	-	-	-	7.9	-	-	-	-	-
40.0	65.0	-	-	-	-	-	-	2.8	-	-	-	-	-
43.0	45.0	-	-	-	-	-	-	2.8	-	-	-	-	-
47.0	50.0	-	-	0.0	-	-	-	2.1	-	-	-	-	-
47.0	55.0	-	-	9.6	-	-	-	0.0	-	-	-	-	-
50.0	60.0	-	-	-	-	-	2.4	-	-	-	-	-	-
50.0	70.0	-	-	-	-	-	-	3.2	-	-	-	-	-
50.0	90.0	-	-	-	-	-	-	2.8	-	-	-	-	-
53.0	52.0	-	-	-	-	-	3.1	0.0	-	-	-	-	-
53.0	55.0	-	-	-	-	-	0.0	3.1	-	-	-	-	-
53.0	60.0	-	-	-	-	-	2.7	0.0	-	-	-	-	-
57.0	60.0	-	-	-	-	-	9.6	0.0	-	-	-	-	-
60.0	60.0	-	-	-	6.7	0.0	0.0	6.1	-	-	-	0.0	-
60.0	65.0	-	-	-	4.3	-	-	6.1	-	-	-	-	-
60.0	70.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	16.1	-
60.0	80.0	-	-	-	3.1	10.7	2.9	0.0	-	-	-	2.8	-
60.0	90.0	-	-	-	3.4	0.0	0.0	0.0	-	-	-	0.0	-
63.0	52.0	0.0	-	-	0.0	0.0	0.0	5.7	-	-	0.0	-	-
63.0	55.0	-	-	-	-	0.0	-	0.0	-	-	8.4	-	-
63.0	60.0	5.9	-	-	-	0.0	0.0	3.1	-	-	0.0	-	-
63.0	65.0	-	-	-	-	-	-	3.1	-	-	-	-	-
63.0	70.0	-	-	-	-	3.2	5.7	0.0	-	-	6.2	-	-
63.0	80.0	-	-	-	-	0.0	0.0	0.0	-	-	2.7	-	-
63.0	90.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
67.0	50.0	-	-	-	0.0	0.0	0.0	2.7	-	-	0.0	-	-
67.0	55.0	0.0	-	-	3.5	0.0	0.0	5.4	-	-	0.0	-	-
67.0	60.0	0.0	-	-	7.4	0.0	3.0	0.0	-	-	0.0	-	-
67.0	65.0	-	-	-	0.0	-	-	0.0	-	-	2.9	-	-
67.0	70.0	-	-	-	0.0	0.0	0.0	2.8	-	-	2.9	-	-
67.0	80.0	-	-	-	3.3	0.0	0.0	0.0	-	-	0.0	-	-
67.0	90.0	-	-	-	3.7	0.0	3.0	6.2	-	-	-	-	-
67.0	100.0	-	-	-	-	-	-	2.7	-	-	-	8.0	-
67.0	110.0	-	-	-	8.1	-	-	-	-	-	-	-	-
70.0	52.0	-	-	3.0	2.7	0.0	0.0	0.0	-	-	-	-	-
70.0	55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	8.9	-	-
70.0	60.0	-	-	3.2	3.4	0.0	5.7	0.0	-	-	0.0	-	-
70.0	65.0	-	-	-	3.3	-	-	0.0	-	-	0.0	-	-
70.0	70.0	2.7	-	3.4	6.6	7.4	0.0	0.0	-	-	3.0	-	-
70.0	75.0	-	-	-	0.0	-	-	2.8	-	-	-	-	-
70.0	80.0	11.1	-	3.4	0.0	0.0	3.4	0.0	-	-	0.0	-	-
70.0	85.0	-	-	-	3.3	-	-	0.0	-	-	-	-	-
70.0	90.0	0.0	-	0.0	3.0	2.6	0.0	0.0	-	-	-	2.7	-
70.0	100.0	-	-	-	4.1	-	-	0.0	-	-	-	0.0	-
73.0	55.0	0.0	-	3.1	2.8	0.0	0.0	0.0	-	-	0.0	-	-
73.0	60.0	2.7	-	-	3.5	0.0	0.0	0.0	-	-	0.0	-	-
73.0	65.0	-	-	-	3.3	-	-	0.0	-	-	8.3	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	70.0	-	-	-	0.0	6.1	0.0	0.0	-	-	0.0	-	-
73.0	75.0	-	-	-	5.3	-	-	3.5	-	-	-	-	-
73.0	80.0	-	-	-	0.0	2.9	0.0	3.0	-	-	0.0	-	-
73.0	90.0	-	-	20.9	3.5	0.0	3.2	-	-	-	-	0.0	-
77.0	55.0	0.0	3.4	-	0.0	2.7	0.0	0.0	-	-	0.0	-	-
77.0	60.0	0.0	3.4	-	0.0	2.5	3.0	2.6	-	-	0.0	-	-
77.0	65.0	-	-	-	1.7	-	-	5.1	-	-	-	-	-
77.0	70.0	-	-	-	2.8	0.0	2.9	0.0	-	-	0.0	-	-
77.0	80.0	-	-	-	2.8	0.0	0.0	0.0	-	-	0.0	-	-
77.0	85.0	-	-	-	0.0	-	-	2.2	-	-	-	-	-
77.0	90.0	-	-	0.0	25.8	0.0	0.0	6.5	-	-	-	0.0	-
80.0	51.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	0.0	0.0	0.0
80.0	60.0	0.0	3.0	0.0	3.1	0.0	2.8	14.0	-	-	0.0	2.8	0.0
80.0	65.0	-	-	-	3.3	-	-	16.4	-	-	-	-	-
80.0	70.0	0.0	5.7	5.9	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	80.0	0.0	0.0	0.0	0.0	5.5	0.0	4.0	-	-	0.0	-	0.0
80.0	85.0	-	-	-	0.0	-	-	7.6	-	-	-	-	-
80.0	90.0	-	0.0	10.2	0.0	3.0	0.0	0.0	-	-	0.0	-	-
80.0	100.0	-	-	-	2.1	-	-	-	-	-	-	-	-
83.0	55.0	3.1	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
83.0	60.0	6.1	-	3.6	6.5	3.1	5.7	0.0	-	-	0.0	2.9	0.0
83.0	65.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
83.0	70.0	0.0	-	0.0	3.3	3.0	0.0	3.0	-	-	0.0	-	-
83.0	75.0	-	-	-	0.0	10.2	0.0	0.0	-	-	-	-	-
83.0	80.0	-	-	0.0	3.3	0.0	0.0	10.9	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	2.9	0.0	-	-	-	-	-
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.5
87.0	40.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-	-	0.0	0.0	0.0
87.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	-	0.0
87.0	60.0	-	0.0	0.0	0.0	0.0	3.1	0.0	-	-	0.0	2.9	2.9
87.0	65.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
87.0	70.0	-	3.0	0.0	3.7	20.8	9.2	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	8.7	0.0	8.1	16.4	-	-	-	-	-
87.0	80.0	-	3.1	8.2	8.3	0.0	9.9	3.0	-	-	2.8	-	-
87.0	85.0	-	-	-	-	0.0	0.0	18.0	-	-	-	-	-
87.0	90.0	-	-	-	-	2.9	0.0	15.4	-	-	0.0	-	-
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
90.0	30.0	-	5.8	0.0	6.2	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	3.1	6.4	3.1	-	0.0	0.0	0.0	2.9
90.0	50.0	-	0.0	4.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	55.0	-	0.0	11.4	0.0	0.0	0.0	17.9	-	2.2	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	0.0	13.2	-	5.9	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	0.0	0.0	9.9	-	4.6	-	-	-
90.0	70.0	-	0.0	9.2	10.0	2.7	0.0	-	-	1.7	0.0	0.0	0.0

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	75.0	-	-	-	9.3	0.0	8.2	0.0	-	-	-	-	-
90.0	80.0	-	2.7	0.0	-	9.2	6.5	0.0	-	-	0.0	0.0	8.6
90.0	85.0	-	-	-	0.0	6.4	0.0	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	3.2	0.0	9.0	3.2	-	-	2.6	-	-
93.0	30.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	35.0	-	0.0	0.0	0.0	0.0	3.9	0.0	-	1.5	3.1	2.6	0.0
93.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	6.2	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	0.0	6.5	0.0	0.0	2.6	0.0	0.0	-	0.7	0.0	2.8	2.8
93.0	60.0	0.0	0.0	0.0	6.3	2.8	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	2.7	6.6	2.4	-	0.0	-	-	-
93.0	70.0	0.0	-	0.0	0.0	0.0	0.0	3.2	-	0.0	0.0	0.0	2.7
93.0	75.0	-	-	-	-	3.6	0.0	0.0	-	-	-	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.5
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	3.3	0.0	0.0	-	-	0.0	-	-
97.0	30.0	-	1.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	0.0	0.0	0.0	0.0	-	10.2	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	0.0	3.1	9.3	-	-	0.0	0.0	0.0
97.0	40.0	-	4.6	0.0	0.0	2.7	3.1	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	8.6	0.0	3.0	0.0	5.9	0.0	-	-	0.0	-	-
97.0	55.0	-	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	3.2	3.0	0.0	0.0	0.0	3.0	5.6	-	-	3.2	0.0	2.7
97.0	65.0	-	-	-	0.0	3.2	0.0	6.1	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	5.2	-	-
97.0	75.0	-	-	-	9.7	3.1	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	3.5	3.2	2.3	0.0	0.0	-	-	2.8	-	-
97.0	85.0	-	-	-	-	0.0	0.0	2.9	-	-	-	-	-
97.0	90.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
100.0	30.0	2.5	0.0	6.9	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0
100.0	32.0	6.0	0.0	0.0	-	-	-	-	-	-	-	-	-
100.0	35.0	-	-	-	6.3	0.0	-	2.8	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	3.0	0.0	0.0	2.5	-	-	0.0	-	-
100.0	50.0	0.0	2.4	0.0	-	0.0	6.0	0.0	-	-	-	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	0.0	2.7	-	-	0.0	-	-
100.0	60.0	0.0	0.0	3.5	6.0	0.0	3.0	0.0	-	-	-	2.9	0.0
100.0	65.0	-	-	-	0.0	2.9	0.0	0.0	-	-	-	-	-
100.0	80.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	90.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	10.6	-	-
103.0	30.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	3.4	0.0	2.9	0.0	0.0	-	-	0.0	-	-
103.0	40.0	0.0	2.8	0.0	0.0	3.6	0.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	0.0	3.0	0.0	0.0	5.0	-	-	2.2	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	2.9	2.8	-	-	0.0	-	-
103.0	55.0	-	-	-	0.0	5.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	60.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	–	–	2.6	–	–
103.0	65.0	–	–	–	3.2	0.0	–	0.0	–	–	–	–	–
103.0	70.0	0.0	0.0	0.0	3.4	0.0	–	0.0	–	–	2.9	–	–
103.0	75.0	–	–	–	3.2	0.0	–	0.0	–	–	–	–	–
103.0	85.0	–	–	–	0.0	6.5	–	0.0	–	–	–	–	–
103.0	90.0	–	–	–	3.2	5.8	–	0.0	–	–	0.0	–	–
107.0	32.0	0.0	0.0	0.0	0.0	–	6.3	2.9	–	–	0.0	–	–
107.0	35.0	3.0	0.0	0.0	0.0	3.1	25.0	0.0	–	–	–	–	–
107.0	40.0	3.0	9.5	3.3	0.0	2.5	11.4	2.8	–	–	2.5	–	–
107.0	45.0	–	–	0.0	0.0	6.4	0.0	0.0	–	–	0.0	–	–
107.0	50.0	0.0	11.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	3.5	6.7	0.0	0.0	–	–	2.7	–	–
107.0	60.0	–	0.0	0.0	7.1	10.0	0.0	0.0	–	–	0.0	–	–
107.0	65.0	–	–	–	0.0	9.7	–	0.0	–	–	–	–	–
107.0	70.0	0.0	0.0	0.0	3.5	3.0	–	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	0.0	2.5	–	0.0	–	–	0.0	–	–
110.0	35.0	3.4	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–
110.0	40.0	0.0	5.7	0.0	2.9	0.0	3.2	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	0.0	14.2	0.0	0.0	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	9.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	2.8	12.1	3.1	0.0	–	–	0.0	–	–
110.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
113.0	35.0	0.0	0.0	9.4	0.0	4.2	2.2	0.0	0.0	0.0	0.0	–	–
113.0	40.0	2.3	2.9	0.0	2.3	0.0	0.0	–	0.0	0.0	0.0	–	–
113.0	45.0	–	5.6	0.0	6.8	6.4	0.0	3.3	–	–	0.0	–	–
113.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	3.0	–	–	0.0	–	–
113.0	55.0	–	–	–	5.3	0.0	0.0	3.2	–	–	0.0	–	–
113.0	60.0	0.0	0.0	0.0	24.1	0.0	0.0	0.0	–	–	0.0	–	–
113.0	70.0	0.0	–	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	5.5	15.8	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	6.2	3.3	0.0	0.0	0.0	0.0	–	–
117.0	50.0	0.0	0.0	0.0	2.9	4.0	5.3	0.0	–	–	0.0	–	–
117.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	5.3	–	–
117.0	60.0	0.0	0.0	0.0	0.0	23.4	3.0	0.0	–	–	0.0	–	–
117.0	70.0	3.1	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	75.0	–	–	–	0.0	4.7	–	0.0	–	–	–	–	–
117.0	85.0	–	–	–	0.0	3.6	–	–	–	–	–	–	–
118.0	39.0	0.0	0.0	0.0	0.0	3.8	5.1	0.0	–	–	0.0	–	–
120.0	45.0	0.0	0.0	0.0	0.0	4.8	2.3	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	0.0	2.6	0.0	3.0	0.0	–	–	0.0	–	–
120.0	55.0	–	–	–	5.6	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–	–	2.9	–	–
120.0	80.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	–	0.0	0.0	0.0	4.1	0.0	0.0	–	–	0.0	–	–
123.0	55.0	–	–	–	0.0	3.5	0.0	0.0	–	–	3.4	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0 50.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	–	–	0.0	–	–
127.0 70.0	5.8	–	–	0.0	–	–	–	–	–	0.0	–	–
130.0 45.0	–	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Symbolophorus californiensis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0 70.0	–	–	–	–	–	–	3.0	–	–	–	–	–
60.0 90.0	–	–	–	0.0	0.0	3.1	0.0	–	–	–	0.0	–
60.0 110.0	–	–	–	4.0	–	–	–	–	–	–	–	–
63.0 80.0	–	–	–	–	0.0	0.0	0.0	–	–	2.7	–	–
63.0 100.0	–	–	–	–	–	–	–	–	–	–	2.4	–
63.0 110.0	–	–	–	16.9	–	–	–	–	–	–	–	–
67.0 110.0	–	–	–	12.2	–	–	–	–	–	–	–	–
73.0 75.0	–	–	–	2.7	–	–	0.0	–	–	–	–	–
73.0 80.0	–	–	–	4.3	0.0	0.0	0.0	–	–	0.0	–	–
73.0 90.0	–	–	0.0	0.0	0.0	6.3	–	–	–	–	0.0	–
77.0 65.0	–	–	–	1.7	–	–	0.0	–	–	–	–	–
77.0 70.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
77.0 80.0	–	–	–	13.9	0.0	6.0	8.2	–	–	0.0	–	–
77.0 85.0	–	–	–	4.4	–	–	2.2	–	–	–	–	–
77.0 90.0	–	–	0.0	6.5	11.4	0.0	68.0	–	–	–	0.0	–
80.0 80.0	3.0	0.0	0.0	3.0	0.0	24.7	0.0	–	–	0.0	–	0.0
80.0 90.0	–	0.0	0.0	2.6	0.0	0.0	8.9	–	–	2.9	–	–
80.0 110.0	–	–	–	8.6	–	–	–	–	–	–	–	–
80.0 130.0	–	–	–	5.5	–	–	–	–	–	–	–	–
83.0 60.0	3.0	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0 65.0	–	–	–	3.3	2.6	20.3	0.0	–	–	–	–	–
83.0 70.0	0.0	–	0.0	0.0	3.0	0.0	6.1	–	–	0.0	–	–
83.0 75.0	–	–	–	3.5	0.0	0.0	3.2	–	–	–	–	–
83.0 85.0	–	–	–	–	0.0	8.8	0.0	–	–	–	–	–
83.0 90.0	–	–	–	–	11.4	0.0	3.2	–	–	0.0	–	–
87.0 60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	2.9
87.0 65.0	–	–	–	0.0	5.2	6.1	0.0	–	–	–	–	–
87.0 70.0	–	0.0	0.0	3.7	0.0	3.1	0.0	–	–	2.6	–	–
87.0 75.0	–	–	–	0.0	0.0	2.7	6.5	–	–	–	–	–
87.0 80.0	–	0.0	0.0	0.0	0.0	19.9	0.0	–	–	0.0	–	–
87.0 85.0	–	–	–	–	0.0	9.6	7.2	–	–	–	–	–
87.0 90.0	–	–	–	–	17.4	19.3	6.2	–	–	0.0	–	–
90.0 55.0	–	3.0	0.0	0.0	0.0	3.0	0.0	–	5.6	0.0	0.0	0.0
90.0 60.0	–	3.2	0.0	0.0	0.0	0.0	0.0	–	7.4	2.7	0.0	0.0
90.0 65.0	–	–	–	0.0	3.1	0.0	0.0	–	9.7	–	–	–
90.0 70.0	–	5.2	0.0	0.0	2.7	6.2	–	–	3.4	6.3	0.0	0.0
90.0 75.0	–	–	–	9.3	0.0	8.2	3.3	–	–	–	–	–
90.0 80.0	–	0.0	0.0	–	0.0	3.2	3.4	–	–	2.6	0.0	0.0

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	85.0	–	–	–	0.0	6.4	6.3	0.0	–	–	–	–	–
90.0	90.0	–	0.0	0.0	3.2	2.3	12.0	15.8	–	–	0.0	–	–
90.0	130.0	–	–	–	3.2	–	–	–	–	–	–	–	–
93.0	45.0	–	0.0	0.0	–	0.0	0.0	0.0	–	0.0	3.1	–	–
93.0	50.0	0.0	0.0	0.0	3.2	0.0	3.0	0.0	–	0.0	0.0	0.0	0.0
93.0	55.0	–	–	–	5.6	0.0	0.0	0.0	–	2.8	0.0	–	–
93.0	60.0	0.0	0.0	0.0	3.2	0.0	6.5	3.0	–	0.7	0.0	0.0	0.0
93.0	65.0	–	–	–	0.0	0.0	0.0	2.4	–	2.7	–	–	–
93.0	70.0	0.0	–	3.4	0.0	2.9	0.0	3.2	–	0.0	0.0	0.0	0.0
93.0	75.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
93.0	80.0	3.5	0.0	0.0	3.1	5.8	0.0	12.8	–	–	0.0	2.8	4.9
93.0	85.0	–	–	–	–	9.2	0.0	3.5	–	–	–	–	–
93.0	90.0	–	–	–	–	3.3	6.2	6.7	–	–	2.8	–	–
97.0	32.0	–	0.0	0.0	3.1	0.0	–	6.8	–	–	0.0	0.0	0.0
97.0	35.0	–	–	–	0.0	0.0	0.0	6.2	–	–	0.0	0.0	2.5
97.0	40.0	–	0.0	0.0	0.0	2.7	3.1	0.0	–	–	0.0	0.0	0.0
97.0	45.0	–	0.0	6.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
97.0	50.0	–	0.0	0.0	0.0	0.0	5.8	0.0	–	–	0.0	0.0	0.0
97.0	55.0	–	–	–	0.0	3.0	0.0	0.0	–	–	2.7	–	–
97.0	60.0	0.0	0.0	0.0	0.0	10.8	6.1	0.0	–	–	0.0	2.7	5.4
97.0	65.0	–	–	–	0.0	3.2	0.0	3.1	–	–	–	–	–
97.0	70.0	0.0	0.0	0.0	6.8	0.0	8.9	0.0	–	–	0.0	–	–
97.0	75.0	–	–	–	6.5	6.2	0.0	0.0	–	–	–	–	–
97.0	80.0	0.0	0.0	0.0	9.6	18.0	0.0	0.0	–	–	2.8	–	–
97.0	85.0	–	–	–	–	5.9	3.0	5.8	–	–	–	–	–
97.0	90.0	–	–	–	–	5.4	0.0	12.3	–	–	0.0	–	–
100.0	30.0	0.0	0.0	0.0	0.0	0.0	–	4.3	–	–	0.0	0.0	0.0
100.0	35.0	–	–	–	0.0	0.0	–	2.8	–	–	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	0.0	0.0
100.0	45.0	–	–	0.0	0.0	0.0	8.7	2.5	–	–	0.0	–	–
100.0	50.0	0.0	0.0	0.0	–	0.0	12.0	0.0	–	–	–	0.0	0.0
100.0	55.0	–	–	–	0.0	0.0	6.2	0.0	–	–	0.0	–	–
100.0	60.0	0.0	0.0	0.0	6.0	8.5	3.0	2.6	–	–	–	2.9	0.0
100.0	65.0	–	–	–	0.0	2.9	21.4	0.0	–	–	–	–	–
100.0	70.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	–	–	0.0	–	–
100.0	75.0	–	–	–	0.0	5.2	0.0	0.0	–	–	–	–	–
100.0	80.0	3.4	3.1	6.9	0.0	0.0	0.0	0.0	–	–	0.0	–	–
100.0	90.0	0.0	9.3	3.6	3.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	30.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	–
103.0	40.0	0.0	0.0	0.0	3.3	0.0	3.0	0.0	–	–	0.0	–	–
103.0	45.0	–	–	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	–
103.0	50.0	0.0	0.0	3.3	0.0	0.0	2.9	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	0.0	7.4	0.0	0.0	–	–	0.0	–	–
103.0	60.0	0.0	2.7	0.0	0.0	2.7	5.8	0.0	–	–	0.0	–	–
103.0	65.0	–	–	–	0.0	9.0	–	0.0	–	–	–	–	–

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	3.3	0.0	7.0	0.0	0.0	–	0.0	–	–	2.9	–	–
103.0	75.0	–	–	–	3.2	0.0	–	0.0	–	–	–	–	–
103.0	90.0	–	–	–	0.0	8.6	–	0.0	–	–	0.0	–	–
107.0	35.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	–	–	–	–	–
107.0	40.0	0.0	9.5	0.0	0.0	4.9	0.0	0.0	–	–	0.0	–	–
107.0	45.0	–	–	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	–
107.0	50.0	0.0	2.9	0.0	0.0	0.0	6.4	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	0.0	3.3	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	23.4	0.0	0.0	–	–	0.0	–	–
107.0	70.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–	2.8	–	–
107.0	75.0	–	–	–	0.0	2.3	–	0.0	–	–	–	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	–	–
110.0	35.0	0.0	16.5	0.0	2.9	4.3	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	3.2	2.9	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	9.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	3.2	2.8	3.0	0.0	0.0	–	–	0.0	–	–
110.0	65.0	–	–	–	0.0	3.3	–	0.0	–	–	–	–	–
113.0	35.0	0.0	0.0	3.1	0.0	0.0	2.2	0.0	0.0	3.6	0.0	–	–
113.0	40.0	0.0	2.9	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	–	–
113.0	45.0	–	0.0	0.0	0.0	6.4	0.0	0.0	–	–	0.0	–	–
113.0	50.0	0.0	0.0	3.2	0.0	7.2	0.0	0.0	–	–	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–
117.0	45.0	–	–	5.7	3.2	0.0	0.0	0.0	–	–	0.0	–	–
117.0	60.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	–	–	0.0	–	–
120.0	30.0	–	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	55.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	0.0	0.0	0.0	14.8	0.0	–	–	–	0.0	–	–
120.0	80.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	–	–	0.0	–	–

Tarletonbeania crenularis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	–	–	–	–	–	–	5.1	–	–	–	–	–
40.0	45.0	–	–	–	–	–	–	5.6	–	–	–	–	–
40.0	50.0	–	–	–	–	–	–	9.1	–	–	–	–	–
40.0	55.0	–	–	–	–	–	–	12.0	–	–	–	–	–
40.0	60.0	–	–	–	–	–	–	7.9	–	–	–	–	–
40.0	70.0	–	–	–	–	–	–	3.0	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	36.1	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	30.5	–	–	–	–	–
43.0	55.0	–	–	–	–	–	–	3.3	–	–	–	–	–
43.0	90.0	–	–	–	–	–	–	2.9	–	–	–	–	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	60.0	-	-	-	-	-	-	5.9	-	-	-	-	-
50.0	50.0	-	-	-	-	-	6.6	-	-	-	-	-	-
50.0	60.0	-	-	-	-	-	2.4	-	-	-	-	-	-
50.0	70.0	-	-	-	-	-	-	12.9	-	-	-	-	-
53.0	55.0	-	-	-	-	-	0.0	6.2	-	-	-	-	-
53.0	60.0	-	-	-	-	-	0.0	3.3	-	-	-	-	-
57.0	55.0	-	-	-	-	-	0.0	3.5	-	-	-	-	-
57.0	60.0	-	-	-	-	-	0.0	5.5	-	-	-	-	-
60.0	55.0	0.0	-	-	0.0	0.0	0.0	5.8	-	-	-	0.0	-
60.0	60.0	-	-	-	0.0	0.0	5.8	42.8	-	-	-	2.7	-
60.0	65.0	-	-	-	0.0	-	-	3.1	-	-	-	-	-
60.0	70.0	-	-	-	3.5	2.6	0.0	2.8	-	-	-	0.0	-
60.0	90.0	-	-	-	0.0	0.0	0.0	2.9	-	-	-	0.0	-
63.0	55.0	-	-	-	-	8.1	-	0.0	-	-	0.0	-	-
63.0	60.0	0.0	-	-	-	0.0	2.9	0.0	-	-	0.0	-	-
63.0	65.0	-	-	-	-	-	-	3.1	-	-	-	-	-
63.0	70.0	-	-	-	-	3.2	0.0	0.0	-	-	0.0	-	-
63.0	90.0	-	-	-	-	3.0	0.0	13.6	-	-	-	-	-
67.0	50.0	-	-	-	0.0	0.0	3.0	0.0	-	-	0.0	-	-
67.0	55.0	0.0	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	-
67.0	60.0	0.0	-	-	3.7	6.2	3.0	3.2	-	-	0.0	-	-
67.0	65.0	-	-	-	11.0	-	-	0.0	-	-	0.0	-	-
67.0	70.0	-	-	-	0.0	11.0	5.8	0.0	-	-	0.0	-	-
67.0	90.0	-	-	-	7.4	0.0	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
70.0	55.0	-	-	-	0.0	3.0	3.1	2.5	-	-	0.0	-	-
70.0	60.0	-	-	0.0	0.0	3.4	5.7	11.9	-	-	3.0	-	-
70.0	70.0	0.0	-	10.1	0.0	7.4	6.2	0.0	-	-	0.0	-	-
70.0	80.0	0.0	-	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
73.0	55.0	0.0	-	3.1	2.8	6.3	0.0	0.0	-	-	0.0	-	-
73.0	60.0	2.7	-	-	3.5	0.0	5.8	0.0	-	-	0.0	-	-
73.0	65.0	-	-	-	0.0	-	-	2.9	-	-	0.0	-	-
73.0	70.0	-	-	-	0.0	3.0	0.0	2.8	-	-	0.0	-	-
73.0	75.0	-	-	-	2.7	-	-	3.5	-	-	-	-	-
73.0	80.0	-	-	-	0.0	0.0	8.8	0.0	-	-	0.0	-	-
73.0	90.0	-	-	0.0	3.5	0.0	0.0	-	-	-	-	0.0	-
77.0	50.0	-	-	-	0.0	0.0	0.0	3.0	-	-	0.0	-	-
77.0	60.0	0.0	0.0	-	3.2	2.5	0.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	0.0	-	-	7.7	-	-	-	-	-
77.0	70.0	-	-	-	5.5	0.0	5.8	4.4	-	-	0.0	-	-
77.0	90.0	-	-	6.4	0.0	0.0	3.0	0.0	-	-	-	0.0	-
80.0	55.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	60.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	0.0	0.0	0.0
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	-	-	0.0	-	0.0
80.0	80.0	0.0	0.0	0.0	0.0	2.8	0.0	4.0	-	-	0.0	-	0.0
83.0	70.0	0.0	-	0.0	0.0	3.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	80.0	–	–	3.6	0.0	0.0	0.0	0.0	–	–	0.0	–	–
83.0	90.0	–	–	–	–	0.0	0.0	0.0	–	–	2.8	–	–
87.0	60.0	–	0.0	0.0	0.0	3.5	0.0	0.0	–	–	0.0	0.0	0.0
90.0	50.0	–	0.0	0.0	–	2.7	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	0.0	0.0
93.0	55.0	–	–	–	0.0	0.0	0.0	3.3	–	0.0	0.0	–	–
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–

Synodus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–
117.0	26.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	–	–
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	–	–
120.0	25.0	–	12.1	0.0	0.0	0.0	0.0	0.0	0.0	–	40.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	40.8	–	–
120.0	35.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.0	–	–
120.0	45.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.9	–	–
120.0	60.0	3.7	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–	–
123.0	37.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	34.0	9.8	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	83.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	35.0	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	112.5	31.7	0.0	5.8	0.0	0.0	0.0	0.0	0.0	2.6	–	–
133.0	30.0	269.9	189.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	–	–
133.0	35.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	13.9	–	–
133.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	–
137.0	23.0	8.4	7.2	0.0	0.0	0.0	0.0	0.0	5.7	10.4	48.8	–	–
137.0	30.0	0.0	25.5	12.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–
137.0	35.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
140.0	30.0	5.5	0.0	7.6	–	–	–	–	–	–	21.4	–	–
140.0	35.0	0.0	14.9	0.0	–	–	–	–	–	–	5.4	–	–
143.0	26.0	0.0	0.0	15.2	–	–	–	–	–	–	8.1	–	–
147.0	20.0	62.6	0.0	0.0	–	–	–	–	–	–	5.4	–	–
147.0	25.0	0.0	2.4	0.0	–	–	–	–	–	–	5.3	–	–
150.0	19.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
150.0	25.0	3.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Bregmaceros spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
147.0	20.0	155.0	3.1	0.0	–	–	–	–	–	–	0.0	–	–
147.0	25.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	40.0	0.0	3.2	0.0	–	–	–	–	–	–	0.0	–	–
150.0	19.0	8.1	2.5	0.0	–	–	–	–	–	–	0.0	–	–
150.0	40.0	3.0	5.8	0.0	–	–	–	–	–	–	0.0	–	–
157.0	20.0	15.2	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	16.7	–	–	–	–	–	–	–	–	–	–	–

Merluccius productus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	–	–	–	0.0	2.3	0.0	0.0	–	–	–	0.0	–
60.0	55.0	0.0	–	–	3.5	2.9	0.0	0.0	–	–	–	0.0	–
60.0	65.0	–	–	–	4.3	–	–	0.0	–	–	–	–	–
63.0	52.0	0.0	–	–	2.9	0.0	0.0	0.0	–	–	0.0	–	–
63.0	55.0	–	–	–	–	5.4	–	0.0	–	–	0.0	–	–
63.0	110.0	–	–	–	16.9	–	–	–	–	–	–	–	–
67.0	50.0	–	–	–	0.0	0.0	0.0	2.7	–	–	0.0	–	–
67.0	55.0	0.0	–	–	6.9	10.4	0.0	0.0	–	–	0.0	–	–
67.0	65.0	–	–	–	32.9	–	–	0.0	–	–	0.0	–	–
67.0	70.0	–	–	–	7.2	0.0	0.0	0.0	–	–	0.0	–	–
67.0	80.0	–	–	–	26.4	0.0	0.0	0.0	–	–	0.0	–	–
67.0	90.0	–	–	–	33.1	0.0	0.0	0.0	–	–	–	–	–
67.0	110.0	–	–	–	32.4	–	–	–	–	–	–	–	–
70.0	52.0	–	–	48.2	10.6	7.7	0.0	0.0	–	–	–	–	–
70.0	55.0	–	–	–	5.6	3.0	3.1	0.0	–	–	0.0	–	–
70.0	60.0	–	–	12.7	10.1	3.4	0.0	0.0	–	–	0.0	–	–
70.0	65.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
70.0	70.0	0.0	–	663.9	9.8	0.0	0.0	0.0	–	–	0.0	–	–
70.0	75.0	–	–	–	6.4	–	–	0.0	–	–	–	–	–
70.0	80.0	0.0	–	246.0	13.6	0.0	0.0	0.0	–	–	0.0	–	–
70.0	85.0	–	–	–	23.1	–	–	0.0	–	–	–	–	–
70.0	90.0	0.0	–	13.7	45.6	0.0	0.0	0.0	–	–	–	0.0	–
70.0	110.0	–	–	–	7.5	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	27.3	7.9	11.7	0.0	–	–	0.0	–	–
73.0	55.0	1.3	–	287.6	22.1	0.0	2.8	0.0	–	–	0.0	–	–
73.0	60.0	5.3	–	–	69.2	2.9	2.9	0.0	–	–	0.0	–	–
73.0	65.0	–	–	–	49.2	–	–	0.0	–	–	0.0	–	–
73.0	70.0	–	–	–	0.0	6.1	0.0	0.0	–	–	0.0	–	–
73.0	80.0	–	–	–	6.5	8.6	0.0	0.0	–	–	0.0	–	–
73.0	85.0	–	–	–	2.9	–	–	–	–	–	–	–	–
73.0	90.0	–	–	7.0	6.9	2.8	0.0	–	–	–	–	0.0	–
77.0	50.0	–	–	–	25.3	3.0	2.6	0.0	–	–	0.0	–	–
77.0	55.0	0.0	48.0	–	23.4	8.1	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	60.0	20.4	33.6	-	507.1	19.6	0.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	17.1	-	-	0.0	-	-	-	-	-
77.0	70.0	-	-	-	180.1	9.1	0.0	0.0	-	-	0.0	-	-
77.0	75.0	-	-	-	198.7	-	-	0.0	-	-	-	-	-
77.0	80.0	-	-	-	92.1	0.0	3.0	0.0	-	-	0.0	-	-
77.0	85.0	-	-	-	154.0	-	-	0.0	-	-	-	-	-
77.0	90.0	-	-	64.0	42.0	2.8	0.0	0.0	-	-	-	0.0	-
80.0	51.0	9.7	11.3	24.4	2.7	0.0	0.0	0.0	-	-	0.0	0.0	4.8
80.0	55.0	21.8	221.9	93.6	1743.3	12.3	0.0	0.0	-	-	0.0	0.0	7.3
80.0	60.0	3.2	3269.6	114.8	699.8	12.8	0.0	0.0	-	-	0.0	0.0	0.0
80.0	65.0	-	-	-	533.0	-	-	0.0	-	-	-	-	-
80.0	70.0	3.0	9195.9	269.4	172.1	3.1	0.0	0.0	-	-	0.0	-	0.0
80.0	75.0	-	-	-	42.3	-	-	0.0	-	-	-	-	-
80.0	80.0	0.0	9.8	106.4	87.0	5.5	0.0	0.0	-	-	0.0	-	0.0
80.0	85.0	-	-	-	32.3	-	-	0.0	-	-	-	-	-
80.0	90.0	-	2.7	6.8	10.2	3.0	0.0	0.0	-	-	0.0	-	-
82.0	47.0	49.4	42.3	12.4	231.7	5.7	0.0	0.0	-	-	0.0	0.0	0.0
83.0	40.0	-	0.0	1.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	41.2	21.0	18.1	299.2	4.9	0.0	0.0	-	-	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	37.4	0.0	3.0	0.0	-	-	0.0	0.0	0.0
83.0	55.0	18.6	-	110.3	73.2	0.0	5.9	0.0	-	-	0.0	-	0.0
83.0	60.0	6.1	-	322.2	6803.6	43.5	0.0	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	246.8	88.1	0.0	0.0	-	-	-	-	-
83.0	70.0	27.4	-	37.4	2286.2	12.2	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	865.5	35.6	0.0	0.0	-	-	-	-	-
83.0	80.0	-	-	18.2	937.2	0.0	0.0	0.0	-	-	0.0	-	-
83.0	85.0	-	-	-	-	0.0	2.9	0.0	-	-	-	-	-
83.0	90.0	-	-	-	-	79.5	0.0	0.0	-	-	0.0	-	-
87.0	35.0	49.8	5.4	53.3	101.4	20.6	0.0	0.0	-	-	0.0	0.0	0.0
87.0	40.0	0.0	5.3	480.0	144.8	30.4	3.2	0.0	-	-	0.0	0.0	2.7
87.0	45.0	10.8	25.9	359.0	146.6	14.3	3.1	0.0	-	-	0.0	0.0	0.0
87.0	50.0	-	-	127.2	11.1	13.3	0.0	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	8.7	50.0	90.2	69.8	0.0	0.0	-	-	0.0	-	0.0
87.0	60.0	-	0.0	7.1	14.6	41.5	0.0	0.0	-	-	0.0	0.0	0.0
87.0	65.0	-	-	-	19.1	7.7	0.0	0.0	-	-	-	-	-
87.0	70.0	-	3.0	0.0	14.9	16.2	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	43.4	5.7	0.0	0.0	-	-	-	-	-
87.0	80.0	-	0.0	243.1	143.0	2.8	0.0	0.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	2.8	0.0	0.0	-	-	-	-	-
90.0	28.0	-	19.9	643.5	0.0	2.9	0.0	2.3	-	0.0	0.0	0.0	0.0
90.0	30.0	-	32.1	1056.7	458.8	15.8	3.2	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	8.9	51.7	21.7	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	45.0	-	0.0	51.8	76.9	6.4	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	50.0	-	11.0	343.4	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	55.0	-	428.8	15.2	11.6	7.2	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	41.6	13.4	3.8	12.2	0.0	0.0	-	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	65.0	-	-	-	9.8	21.4	0.0	0.0	-	0.0	-	-	-
90.0	70.0	-	0.0	6.1	13.3	21.3	0.0	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	4.6	6.9	0.0	0.0	-	-	-	-	-
90.0	80.0	-	1.3	21.9	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	85.0	-	-	-	0.0	12.9	0.0	0.0	-	-	-	-	-
90.0	90.0	-	0.0	23.0	3.2	2.3	0.0	0.0	-	-	0.0	-	-
93.0	27.0	39.3	297.7	191.1	8.7	2.4	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	30.0	182.0	165.1	418.8	52.6	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	35.0	-	12.4	62.7	100.7	8.9	3.9	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	6.8	6.5	77.7	40.1	9.5	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	0.0	9.6	-	50.0	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	26.1	6.5	3.5	44.7	21.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	5.6	27.1	0.0	0.0	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	38.5	6.3	2.8	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	8.9	10.8	0.0	0.0	-	0.0	-	-	-
93.0	70.0	2.6	-	3.4	0.0	8.7	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	80.0	3.5	0.0	221.3	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
93.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	6.7	0.0	0.0	-	-	0.0	-	-
97.0	30.0	-	20.3	48.8	9.4	10.5	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	99.5	87.4	61.2	14.3	-	0.0	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	72.8	52.9	0.0	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	6.1	13.2	33.1	35.5	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	14.3	3.2	71.5	28.1	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	14.7	0.0	21.8	3.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	26.9	140.3	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	0.0	3.7	16.8	131.8	0.0	0.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	25.8	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	3.6	3.4	6.2	0.0	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	38.6	0.0	4.5	0.0	0.0	-	-	0.0	-	-
97.0	90.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	259.1	9.5	0.0	-	-	-	0.0	0.0	0.0
100.0	30.0	40.8	123.9	449.3	249.8	2.5	-	0.0	-	-	0.0	0.0	0.0
100.0	32.0	3.0	96.3	117.2	-	-	-	-	-	-	-	-	-
100.0	35.0	-	-	-	12.6	23.7	-	0.0	-	-	0.0	0.0	0.0
100.0	40.0	0.0	42.6	0.0	9.6	7.9	0.0	0.0	-	-	0.0	0.0	0.0
100.0	45.0	-	-	7.4	6.0	12.2	0.0	0.0	-	-	0.0	-	-
100.0	50.0	0.0	9.6	0.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	60.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	70.0	0.0	0.0	88.3	0.0	3.1	0.0	0.0	-	-	0.0	-	-
100.0	80.0	0.0	0.0	79.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	90.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	30.0	0.0	191.2	298.6	22.6	16.4	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	10.4	784.3	64.4	5.8	3.1	0.0	-	-	0.0	-	-
103.0	40.0	0.0	13.9	45.0	16.7	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	45.0	-	-	14.4	45.5	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	0.0	97.3	16.3	33.2	0.0	0.0	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	6.7	5.0	0.0	0.0	-	-	0.0	-	-
103.0	60.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	70.0	0.0	0.0	21.0	0.0	0.0	-	0.0	-	-	0.0	-	-
107.0	32.0	96.8	40.2	1047.5	18.1	-	0.0	0.0	-	-	0.0	-	-
107.0	35.0	14.8	7.7	1810.7	88.2	3.1	0.0	0.0	-	-	-	-	-
107.0	40.0	0.0	98.0	120.6	113.3	0.0	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	32.2	80.1	9.7	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	87.0	474.2	81.3	28.7	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	28.2	0.0	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	3.6	17.8	3.3	0.0	0.0	-	-	0.0	-	-
107.0	65.0	-	-	-	0.0	3.2	-	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	25.1	0.0	0.0	-	0.0	-	-	0.0	-	-
110.0	33.0	0.0	0.0	1293.8	34.0	4.1	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	393.3	16.5	495.3	25.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	91.4	0.0	963.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	-	-	59.6	42.6	0.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	0.0	0.0	3.2	63.6	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	72.0	3.7	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	3.2	2.8	6.1	0.0	0.0	-	-	0.0	-	-
110.0	75.0	-	-	-	3.6	0.0	0.0	0.0	-	-	-	-	-
113.0	30.0	0.0	0.0	2.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	35.0	283.9	38.6	31.3	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	7.0	75.9	0.0	4.6	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	45.0	-	5.6	0.0	34.0	3.2	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	2.7	0.0	66.4	0.0	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	34.6	0.0	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	68.8	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	2.9	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	-	3.3	2.7	0.0	0.0	0.0	-	-	0.0	-	-
117.0	26.0	0.0	0.0	19.4	13.5	3.1	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	154.5	20.3	11.0	6.3	0.0	0.0	0.0	0.0	-	-
117.0	35.0	11.7	175.8	55.3	0.0	12.4	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	6.0	67.6	61.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	14.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	9.5	8.5	62.6	0.0	0.0	2.7	0.0	-	-	0.0	-	-
117.0	60.0	3.5	5.9	0.0	0.0	4.7	0.0	0.0	-	-	0.0	-	-
118.0	39.0	16.0	135.7	247.9	6.4	0.0	0.0	0.0	-	-	0.0	-	-
119.0	33.0	0.0	6.2	15.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	25.0	-	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	30.0	-	2.8	20.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	1.9	0.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-
120.0	40.0	-	0.0	0.0	4.7	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	45.0	107.6	6.1	40.7	10.2	0.0	2.3	0.0	0.0	0.0	0.0	-	-
120.0	50.0	17.8	0.0	110.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	55.0	-	-	-	8.4	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	3.7	0.0	14.4	0.0	3.7	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	0.0	7.6	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	3.1	17.8	0.0	0.0	0.0	-	-	0.0	-	-
120.0	85.0	-	-	-	0.0	4.4	0.0	0.0	-	-	-	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
123.0	37.0	3.9	7.0	8.2	7.3	2.6	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	3.5	0.0	8.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	6.5	-	-	0.0	0.0	-	0.0	-	-
123.0	50.0	23.6	8.8	73.4	5.7	0.0	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	-	-	2.5	0.0	0.0	0.0	-	-	0.0	-	-
123.0	60.0	82.4	2.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	34.0	85.0	53.0	69.3	48.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	100.1	9.6	17.5	3.6	0.0	0.0	0.0	3.4	0.0	0.0	-	-
127.0	45.0	-	19.0	14.9	-	0.0	-	0.0	0.0	0.0	0.0	-	-
127.0	50.0	3.1	3.2	3.1	9.3	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	-	-	2.6	0.0	-	0.0	-	-	0.0	-	-
130.0	30.0	0.0	27.4	9.1	8.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	141.2	21.0	0.0	5.9	7.7	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	0.0	2.5	0.0	2.8	4.4	0.0	0.0	0.0	0.0	0.0	-	-
130.0	45.0	-	0.0	10.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	0.0	0.0	3.4	0.0	0.0	-	0.0	-	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	2.6	11.5	7.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	35.0	-	0.0	411.0	-	0.0	0.0	0.0	-	-	0.0	-	-
133.0	40.0	0.0	13.9	389.1	5.2	0.0	0.0	0.0	-	-	0.0	-	-
133.0	45.0	-	-	-	2.5	0.0	0.0	0.0	-	-	0.0	-	-
137.0	23.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	30.0	91.6	25.5	18.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	35.0	24.8	0.0	9.5	65.5	2.9	0.0	0.0	-	-	0.0	-	-
137.0	40.0	0.0	11.6	13.9	2.9	0.0	0.0	0.0	-	-	0.0	-	-
137.0	50.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
140.0	30.0	2.7	8.8	7.6	-	-	-	-	-	-	0.0	-	-
140.0	35.0	4.5	32.9	3.0	-	-	-	-	-	-	0.0	-	-
140.0	40.0	0.0	136.6	98.9	-	-	-	-	-	-	0.0	-	-
143.0	26.0	0.0	0.0	7.6	-	-	-	-	-	-	0.0	-	-
143.0	30.0	3.1	0.0	67.2	-	-	-	-	-	-	0.0	-	-
143.0	35.0	0.0	0.0	11.6	-	-	-	-	-	-	0.0	-	-
143.0	40.0	0.0	3.5	5.9	-	-	-	-	-	-	0.0	-	-
147.0	20.0	8.9	3.1	0.0	-	-	-	-	-	-	0.0	-	-
147.0	25.0	0.0	4.8	6.3	-	-	-	-	-	-	0.0	-	-
147.0	30.0	9.5	0.0	3.1	-	-	-	-	-	-	0.0	-	-
147.0	40.0	0.0	0.0	3.6	-	-	-	-	-	-	0.0	-	-

TABLE 4. (cont.)

Physiculus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	35.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
140.0	50.0	0.0	2.7	0.0	-	-	-	-	-	-	0.0	-	-
150.0	25.0	0.0	0.0	2.7	-	-	-	-	-	-	0.0	-	-
150.0	40.0	0.0	2.9	0.0	-	-	-	-	-	-	0.0	-	-
150.0	50.0	-	-	-	-	-	-	-	-	-	2.7	-	-

Macrouridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	-	-	-	-	2.7	-	0.0	-	-	0.0	-	-
90.0	45.0	-	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.6	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-	-
123.0	37.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
130.0	30.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Ophidiiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	52.0	-	-	0.0	0.0	2.6	0.0	6.0	-	-	-	-	-
70.0	55.0	-	-	-	0.0	0.0	6.2	0.0	-	-	0.0	-	-
73.0	51.0	-	-	-	0.0	0.0	0.0	31.0	-	-	0.0	-	-
73.0	55.0	0.0	-	0.0	0.0	0.0	0.0	22.8	-	-	0.0	-	-
73.0	60.0	0.0	-	-	0.0	0.0	0.0	5.6	-	-	0.0	-	-
77.0	55.0	0.0	0.0	-	0.0	0.0	2.7	0.0	-	-	0.0	-	-
77.0	70.0	-	-	-	0.0	0.0	2.9	0.0	-	-	0.0	-	-
80.0	51.0	0.0	0.0	0.0	0.0	2.6	2.8	0.0	-	-	0.0	0.0	0.0
82.0	47.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
83.0	55.0	0.0	-	0.0	0.0	2.4	0.0	0.0	-	-	0.0	-	0.0
87.0	35.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	40.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	3.1	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	50.0	-	0.0	0.0	-	2.7	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	6.1	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	0.0	0.0	-	2.5	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	0.0	0.0	0.0
97.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	3.2	0.0	0.0	-	-	-	-	-
100.0	29.0	-	-	-	0.0	15.9	0.0	-	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	0.0	0.0

TABLE 4. (cont.)

Ophidiiformes (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	30.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	–	–
113.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–
117.0	30.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	19.9	–	–	–
118.5	35.0	–	–	–	–	–	–	–	0.0	15.8	–	–	–
120.0	25.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.5	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	28.8	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	2.7	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	27.7	–	2.0	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	–	–
130.0	30.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	35.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	2.6	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	5.3	–	–
137.0	23.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	25.8	20.9	73.3	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	19.0	–	–
140.0	35.0	2.3	0.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	2.0	–	–
147.0	20.0	0.0	18.7	0.0	–	–	–	–	–	–	0.0	–	–
150.0	19.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–

Brosmophycis marginata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0	52.0	–	–	–	–	–	0.0	7.6	–	–	–	–	–
57.0	55.0	–	–	–	–	–	0.0	3.5	–	–	–	–	–
60.0	52.0	–	–	–	0.0	0.0	0.0	3.0	–	–	–	0.0	–
60.0	55.0	0.0	–	–	0.0	2.9	0.0	0.0	–	–	–	0.0	–
60.0	60.0	–	–	–	0.0	6.5	0.0	0.0	–	–	–	0.0	–
63.0	52.0	0.0	–	–	0.0	0.0	3.0	0.0	–	–	0.0	–	–
82.0	47.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–	0.0	0.0	0.0
83.0	40.0	–	0.0	0.0	0.0	0.0	1.8	0.0	–	–	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	0.0	0.0
83.0	60.0	0.0	–	0.0	0.0	3.1	0.0	0.0	–	–	0.0	0.0	0.0
87.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	70.0	–	0.0	0.0	0.0	2.7	0.0	–	–	0.0	0.0	0.0	0.0
93.0	45.0	–	0.0	0.0	–	2.5	0.0	0.0	–	0.0	0.0	–	–
100.0	30.0	0.0	0.0	3.4	3.0	0.0	–	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Carapidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
150.0	25.0	3.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–
150.0	40.0	3.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–
153.0	16.0	2.7	–	–	–	–	–	–	–	–	0.0	–	–

Ophidion scrippsae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
77.0	55.0	6.2	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.7	0.0	0.0	0.0
113.0	70.0	3.2	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	–	–
118.5	25.0	–	–	–	–	–	–	–	0.0	15.3	–	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	11.4	–	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	–	–
133.0	25.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
143.0	26.0	0.0	2.2	3.8	–	–	–	–	–	–	0.0	–	–
147.0	20.0	29.8	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Ceratioidei

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	70.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	2.7	0.0	0.0	0.0
97.0	50.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.3	0.0
97.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	–	–
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	–	–	0.0	–	–
103.0	70.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–	2.9	–	–
110.0	90.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.4	–	–
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	–
117.0	90.0	–	–	–	0.0	0.0	–	–	–	–	2.4	–	–
123.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	3.4	–	–
123.0	80.0	–	–	–	0.0	–	–	–	–	–	6.7	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	3.0	3.0	–	–
127.0	70.0	0.0	–	–	0.0	–	–	–	–	–	2.8	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	2.8	–	–
150.0	60.0	–	–	–	–	–	–	–	–	–	2.8	–	–
157.0	30.0	2.4	–	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Gobiesocidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	-	-

Exocoetidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0 45.0	-	0.0	0.0	0.0	0.0	0.0	16.5	-	-	0.0	-	-

Hemiramphidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0 30.0	0.0	0.0	0.0	-	-	-	-	-	-	2.4	-	-

Cololabis saira

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 55.0	0.0	-	-	0.0	2.9	0.0	0.0	-	-	-	0.0	-
70.0 60.0	-	-	0.0	0.0	3.4	0.0	0.0	-	-	0.0	-	-
73.0 60.0	0.0	-	-	0.0	0.0	2.9	0.0	-	-	0.0	-	-
73.0 70.0	-	-	-	0.0	6.1	0.0	0.0	-	-	0.0	-	-
73.0 80.0	-	-	-	0.0	0.0	2.9	0.0	-	-	0.0	-	-
77.0 90.0	-	-	0.0	3.2	2.8	0.0	0.0	-	-	-	0.0	-
80.0 120.0	-	-	-	2.8	-	-	-	-	-	-	-	-
83.0 55.0	0.0	-	0.0	2.7	0.0	0.0	0.0	-	-	0.0	-	0.0
83.0 65.0	-	-	-	0.0	7.8	0.0	0.0	-	-	-	-	-
83.0 75.0	-	-	-	0.0	2.5	0.0	0.0	-	-	-	-	-
87.0 75.0	-	-	-	0.0	0.0	0.0	3.3	-	-	-	-	-
93.0 35.0	-	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0 70.0	0.0	-	0.0	0.0	0.0	3.2	0.0	-	0.0	0.0	0.0	0.0
97.0 35.0	-	-	-	0.0	0.0	3.1	0.0	-	-	0.0	0.0	0.0
97.0 70.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
100.0 30.0	0.0	0.0	3.4	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0
100.0 55.0	-	-	-	0.0	0.0	3.1	0.0	-	-	0.0	-	-
100.0 75.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
100.0 80.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0 55.0	-	-	-	0.0	0.0	5.6	0.0	-	-	0.0	-	-
103.0 70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	2.9	-	-
103.0 85.0	-	-	-	0.0	3.3	-	0.0	-	-	-	-	-
107.0 45.0	-	-	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0 60.0	-	0.0	0.0	0.0	3.3	0.0	0.0	-	-	0.0	-	-
110.0 60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0 60.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	-	-	0.0	-	-
113.0 70.0	0.0	-	0.0	0.0	0.0	2.7	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Atherinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	30.0	-	0.0	0.0	0.0	0.0	0.0	1.6	-	-	0.0	0.0	0.0

Trachipteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	50.0	-	-	-	-	-	-	3.0	-	-	-	-	-
43.0	90.0	-	-	-	-	-	-	5.8	-	-	-	-	-
47.0	55.0	-	-	0.0	-	-	-	3.0	-	-	-	-	-
50.0	70.0	-	-	-	-	-	-	3.2	-	-	-	-	-
60.0	55.0	0.0	-	-	0.0	0.0	0.0	2.9	-	-	-	0.0	-
63.0	60.0	0.0	-	-	-	6.0	0.0	0.0	-	-	2.7	-	-
70.0	70.0	0.0	-	0.0	0.0	3.7	0.0	0.0	-	-	0.0	-	-
70.0	75.0	-	-	-	0.0	-	-	2.8	-	-	-	-	-
73.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	3.3	-	-
77.0	60.0	0.0	3.4	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
80.0	80.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	100.0	-	-	-	2.1	-	-	-	-	-	-	-	-
83.0	51.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	3.3	0.0	0.0	0.0	-	-	-	-	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.9
87.0	70.0	-	0.0	0.0	3.7	0.0	0.0	0.0	-	-	0.0	-	-
87.0	80.0	-	0.0	0.0	2.8	0.0	0.0	0.0	-	-	0.0	-	-
90.0	55.0	-	3.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	0.0	6.6	-	0.0	2.7	0.0	0.0
90.0	70.0	-	0.0	3.1	0.0	2.7	0.0	-	-	0.0	0.0	0.0	0.0
90.0	80.0	-	4.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	0.0	3.3	0.0	-	0.0	-	-	-
97.0	70.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	60.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-	-	0.0	-	-
107.0	55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.7	-	-
117.0	80.0	-	-	-	0.0	0.0	-	0.0	-	-	1.9	-	-

Melamphaes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	-	-	-	-	-	3.9	-	-	-	-	-
47.0	50.0	-	-	6.0	-	-	-	0.0	-	-	-	-	-
47.0	55.0	-	-	4.8	-	-	-	0.0	-	-	-	-	-
60.0	70.0	-	-	-	0.0	0.0	3.1	0.0	-	-	-	0.0	-
60.0	80.0	-	-	-	3.1	0.0	0.0	0.0	-	-	-	2.8	-
60.0	90.0	-	-	-	0.0	8.7	6.2	0.0	-	-	-	0.0	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 100.0	–	–	–	0.0	–	–	–	–	–	–	2.7	–
63.0 52.0	0.0	–	–	2.9	0.0	0.0	0.0	–	–	0.0	–	–
63.0 60.0	0.0	–	–	–	0.0	2.9	0.0	–	–	0.0	–	–
63.0 70.0	–	–	–	–	3.2	0.0	0.0	–	–	0.0	–	–
63.0 80.0	–	–	–	–	0.0	6.1	2.8	–	–	0.0	–	–
67.0 55.0	2.5	–	–	0.0	3.5	0.0	0.0	–	–	0.0	–	–
67.0 60.0	0.0	–	–	0.0	3.1	0.0	0.0	–	–	0.0	–	–
67.0 70.0	–	–	–	3.6	0.0	0.0	2.8	–	–	0.0	–	–
67.0 110.0	–	–	–	12.2	–	–	–	–	–	–	–	–
70.0 55.0	–	–	–	5.6	0.0	0.0	0.0	–	–	0.0	–	–
70.0 60.0	–	–	12.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0 70.0	0.0	–	0.0	6.6	3.7	0.0	0.0	–	–	0.0	–	–
70.0 75.0	–	–	–	3.2	–	–	0.0	–	–	–	–	–
70.0 80.0	0.0	–	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0 85.0	–	–	–	3.3	–	–	0.0	–	–	–	–	–
70.0 90.0	0.0	–	0.0	6.1	0.0	2.9	0.0	–	–	–	0.0	–
73.0 55.0	0.0	–	3.1	5.5	3.2	0.0	0.0	–	–	0.0	–	–
73.0 60.0	5.3	–	–	6.9	5.9	5.8	0.0	–	–	0.0	–	–
73.0 65.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
73.0 70.0	–	–	–	3.2	0.0	0.0	0.0	–	–	0.0	–	–
73.0 75.0	–	–	–	16.0	–	–	0.0	–	–	–	–	–
73.0 80.0	–	–	–	2.2	0.0	0.0	0.0	–	–	0.0	–	–
73.0 85.0	–	–	–	11.6	–	–	–	–	–	–	–	–
73.0 90.0	–	–	0.0	6.9	2.8	3.2	–	–	–	–	0.0	–
77.0 55.0	3.1	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
77.0 60.0	2.9	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
77.0 65.0	–	–	–	3.4	–	–	0.0	–	–	–	–	–
77.0 70.0	–	–	–	0.0	6.1	0.0	0.0	–	–	0.0	–	–
77.0 80.0	–	–	–	16.7	10.6	6.0	2.7	–	–	0.0	–	–
77.0 85.0	–	–	–	2.2	–	–	0.0	–	–	–	–	–
77.0 90.0	–	–	9.6	16.1	2.8	0.0	0.0	–	–	–	0.0	–
80.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	–	–	0.0	0.0	0.0
80.0 60.0	0.0	0.0	2.9	3.1	0.0	2.8	0.0	–	–	0.0	0.0	0.0
80.0 70.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
80.0 80.0	0.0	0.0	3.1	6.0	2.8	2.7	0.0	–	–	0.0	–	0.0
80.0 85.0	–	–	–	5.9	–	–	3.8	–	–	–	–	–
80.0 90.0	–	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
80.0 100.0	–	–	–	2.1	–	–	–	–	–	–	–	–
80.0 130.0	–	–	–	2.8	–	–	–	–	–	–	–	–
83.0 51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.8	0.0
83.0 60.0	12.1	–	0.0	3.3	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0 65.0	–	–	–	16.5	7.8	2.9	0.0	–	–	–	–	–
83.0 75.0	–	–	–	3.5	12.7	3.0	0.0	–	–	–	–	–
83.0 80.0	–	–	0.0	3.3	0.0	0.0	0.0	–	–	0.0	–	–
83.0 85.0	–	–	–	–	6.4	17.6	0.0	–	–	–	–	–
87.0 55.0	–	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	60.0	-	0.0	0.0	5.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	65.0	-	-	-	0.0	5.2	3.1	0.0	-	-	-	-	-
87.0	70.0	-	3.0	2.8	18.6	6.9	6.1	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	2.9	0.0	0.0	0.0	-	-	-	-	-
87.0	80.0	-	0.0	0.0	13.8	0.0	13.2	0.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	0.0	0.0	7.2	-	-	-	-	-
87.0	90.0	-	-	-	-	0.0	6.4	6.2	-	-	2.5	-	-
90.0	30.0	-	0.0	7.1	3.1	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	3.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	0.0	-	8.2	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	3.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	0.0	3.0	0.0	-	1.4	-	-	-
90.0	70.0	-	0.0	0.0	6.6	0.0	3.1	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	0.0	0.0	5.5	0.0	-	-	-	-	-
90.0	80.0	-	2.7	4.4	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	85.0	-	-	-	3.8	0.0	0.0	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	3.2	0.0	0.0	9.5	-	-	0.0	-	-
90.0	100.0	-	-	-	3.5	-	-	-	-	-	-	-	-
90.0	120.0	-	-	-	3.0	-	-	-	-	-	-	-	-
93.0	50.0	0.0	0.0	0.0	3.2	2.6	3.0	3.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	0.0	2.7	0.0	3.3	-	1.4	0.0	-	-
93.0	60.0	0.0	3.1	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	0.0	3.3	0.0	-	0.0	-	-	-
93.0	70.0	0.0	-	0.0	0.0	5.8	0.0	0.0	-	1.3	0.0	0.0	0.0
93.0	75.0	-	-	-	-	7.2	0.0	0.0	-	-	-	-	-
93.0	80.0	0.0	0.0	3.6	3.1	2.9	0.0	12.8	-	-	0.0	0.0	2.5
93.0	85.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	10.0	6.2	0.0	-	-	0.0	-	-
97.0	40.0	-	1.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
97.0	50.0	-	1.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	60.0	0.0	0.0	3.7	0.0	5.4	0.0	0.0	-	-	0.0	2.7	0.0
97.0	65.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	7.2	3.4	3.1	3.0	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	12.9	3.1	0.0	0.0	-	-	-	-	-
97.0	80.0	3.5	3.1	3.5	3.2	4.5	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	0.0	3.2	0.0	-	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	0.0	0.0	5.8	2.5	-	-	0.0	-	-
100.0	55.0	-	-	-	3.1	0.0	0.0	0.0	-	-	0.0	-	-
100.0	60.0	3.1	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	65.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
100.0	70.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	75.0	-	-	-	0.0	0.0	0.0	2.6	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	2.3	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0 90.0	3.2	0.0	0.0	0.0	5.3	0.0	0.0	–	–	5.3	–	–
100.0 100.0	–	–	–	2.4	–	–	–	–	–	–	–	–
100.0 120.0	–	–	–	2.8	–	–	–	–	–	–	–	–
103.0 30.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0	–	–	–	–	–
103.0 50.0	3.1	0.0	0.0	3.0	8.6	5.8	0.0	–	–	0.0	–	–
103.0 55.0	–	–	–	0.0	5.0	0.0	0.0	–	–	0.0	–	–
103.0 60.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	–	–	2.6	–	–
103.0 70.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–	2.9	–	–
107.0 40.0	3.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	2.5	–	–
107.0 50.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–	2.5	–	–
107.0 60.0	–	0.0	0.0	14.2	6.7	0.0	0.0	–	–	0.0	–	–
107.0 65.0	–	–	–	3.5	0.0	–	0.0	–	–	–	–	–
107.0 70.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–	2.8	–	–
107.0 75.0	–	–	–	0.0	2.3	–	0.0	–	–	–	–	–
107.0 85.0	–	–	–	30.5	0.0	–	0.0	–	–	–	–	–
110.0 55.0	–	–	–	3.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0 60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0 65.0	–	–	–	0.0	6.5	–	0.0	–	–	–	–	–
110.0 70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
113.0 35.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0 45.0	–	0.0	0.0	10.2	0.0	0.0	0.0	–	–	0.0	–	–
113.0 50.0	0.0	2.7	0.0	3.2	3.6	0.0	0.0	–	–	0.0	–	–
113.0 55.0	–	–	–	0.0	3.5	0.0	0.0	–	–	0.0	–	–
113.0 65.0	–	–	–	0.0	0.0	2.5	0.0	–	–	–	–	–
113.0 70.0	3.2	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0 80.0	–	–	–	0.0	0.0	–	0.0	–	–	2.7	–	–
117.0 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
117.0 50.0	0.0	0.0	3.1	2.9	0.0	0.0	0.0	–	–	0.0	–	–
117.0 65.0	–	–	–	0.0	22.3	0.0	0.0	–	–	–	–	–
117.0 75.0	–	–	–	3.4	0.0	–	0.0	–	–	–	–	–
118.0 39.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0 50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	2.5	–	–
120.0 55.0	–	–	–	2.8	0.0	0.0	0.0	–	–	0.0	–	–
120.0 80.0	0.0	0.0	0.0	0.0	4.0	0.0	5.1	–	–	0.0	–	–
120.0 85.0	–	–	–	2.7	0.0	2.3	0.0	–	–	–	–	–
120.0 90.0	–	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	–
123.0 60.0	0.0	0.0	0.0	3.0	3.6	0.0	0.0	–	–	0.0	–	–
123.0 80.0	–	–	–	0.0	–	–	–	–	–	3.3	–	–
127.0 50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
127.0 60.0	0.0	0.0	0.0	0.0	0.0	–	2.9	–	–	–	–	–
127.0 80.0	–	–	–	0.0	–	–	–	–	–	5.7	–	–
133.0 50.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0 60.0	0.0	–	–	–	–	–	2.8	–	–	0.0	–	–
133.0 80.0	–	–	–	6.2	–	–	–	–	–	–	–	–
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	–	–
137.0 35.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	40.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
140.0	30.0	0.0	0.0	3.8	–	–	–	–	–	–	0.0	–	–
140.0	40.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–
150.0	19.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
153.0	16.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–
157.0	40.0	3.0	–	–	–	–	–	–	–	–	–	–	–

Poromitra spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	85.0	–	–	–	0.0	3.2	0.0	0.0	–	–	–	–	–
107.0	55.0	–	–	–	0.0	3.3	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	–
127.0	45.0	–	0.0	0.0	–	3.8	–	0.0	0.0	0.0	0.0	–	–

Scopelogadus bispinosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	60.0	0.0	–	–	0.0	2.9	0.0	0.0	–	–	0.0	–	–
73.0	80.0	–	–	–	0.0	2.9	0.0	0.0	–	–	0.0	–	–
77.0	80.0	–	–	–	0.0	0.0	0.0	5.5	–	–	0.0	–	–
77.0	85.0	–	–	–	0.0	–	–	2.2	–	–	–	–	–
77.0	90.0	–	–	0.0	0.0	2.8	0.0	0.0	–	–	–	0.0	–
83.0	75.0	–	–	–	0.0	0.0	0.0	3.2	–	–	–	–	–
83.0	80.0	–	–	0.0	0.0	0.0	0.0	2.7	–	–	0.0	–	–
83.0	90.0	–	–	–	–	0.0	0.0	3.2	–	–	0.0	–	–
90.0	70.0	–	0.0	0.0	0.0	2.7	0.0	–	–	0.0	0.0	0.0	0.0
90.0	85.0	–	–	–	0.0	3.2	0.0	0.0	–	–	–	–	–
90.0	90.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
93.0	80.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	–	–	0.0	0.0	0.0
97.0	90.0	–	–	–	–	2.7	0.0	0.0	–	–	0.0	–	–
100.0	45.0	–	–	0.0	0.0	0.0	2.9	0.0	–	–	0.0	–	–
100.0	85.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	–	–
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	–	–	0.0	–	–
103.0	50.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	0.0	7.4	2.8	0.0	–	–	0.0	–	–
103.0	60.0	0.0	0.0	0.0	0.0	13.6	0.0	0.0	–	–	0.0	–	–
103.0	65.0	–	–	–	0.0	3.0	–	0.0	–	–	–	–	–
107.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	70.0	0.0	0.0	0.0	0.0	3.0	–	0.0	–	–	0.0	–	–
123.0	55.0	–	–	–	0.0	3.5	0.0	0.0	–	–	0.0	–	–
127.0	45.0	–	0.0	0.0	–	3.8	–	0.0	0.0	0.0	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Scopelogadus bispinosus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	35.0	-	0.0	0.0	-	3.4	0.0	0.0	-	-	0.0	-	-

Fistulariidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	16.0	0.0	-	-	-	-	-	-	-	-	3.0	-	-

Syngnathus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.8	0.0
100.0	30.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0

Agonidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	-	1.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	3.1	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	50.0	-	0.0	4.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	27.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	30.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	0.0	0.0	0.0	0.0
97.0	30.0	-	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
100.0	35.0	-	-	-	0.0	0.0	-	0.0	-	-	0.0	0.0	2.8
103.0	30.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-

Cottidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	38.0	-	-	-	-	-	-	2.7	-	-	-	-	-
43.0	42.0	-	-	-	-	-	-	2.5	-	-	-	-	-
77.0	55.0	0.0	0.0	-	0.0	0.0	0.0	3.3	-	-	0.0	-	-
80.0	51.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.4
82.0	47.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	0.0	0.0	0.0
87.0	40.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	50.0	-	-	0.0	0.0	0.0	0.0	2.6	-	-	0.0	0.0	0.0
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.9	0.0	0.0	-

TABLE 4. (cont.)

Cottidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	37.0	–	–	0.0	0.0	0.0	0.0	3.1	–	0.0	0.0	0.0	0.0
90.0	50.0	–	0.0	0.0	–	0.0	3.1	0.0	–	0.0	0.0	0.0	0.0
93.0	27.0	0.0	0.0	0.0	2.9	0.0	2.7	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	0.0	0.0	9.4	13.2	0.0	0.0	–	–	0.0	0.0	0.0
103.0	30.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	–	–	–
127.0	40.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Scorpaenichthys marmoratus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	43.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
93.0	27.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	30.0	0.0	0.0	3.5	0.0	0.0	3.1	0.0	–	0.0	0.0	0.0	0.0
100.0	30.0	0.0	0.0	3.4	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0

Cyclopteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	50.0	–	–	–	–	–	–	6.0	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	3.0	–	–	–	–	–
50.0	47.0	–	–	–	–	–	2.9	–	–	–	–	–	–
87.0	50.0	–	–	0.0	0.0	0.0	0.0	2.6	–	–	0.0	0.0	0.0

Hexagrammidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	50.0	–	–	6.0	–	–	–	0.0	–	–	–	–	–
97.0	32.0	–	2.6	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0

Ophiodon elongatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	0.0	–	–	0.0	0.0	2.8	0.0	–	–	–	0.0	–
63.0	52.0	2.8	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
93.0	30.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0

Oxylebius pictus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	2.4

TABLE 4. (cont.)

Oxylebius pictus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	3.6
83.0	43.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	60.0	0.0	–	0.0	3.3	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	50.0	–	–	3.2	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	50.0	–	0.0	0.0	–	2.7	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0
100.0	30.0	0.0	5.9	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0

Zaniolepis spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	43.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	55.0	–	0.0	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	0.0
103.0	30.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	35.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Scorpaena spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	2.9	–	–	0.0	–	–
118.5	35.0	–	–	–	–	–	–	–	5.9	0.0	–	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
123.0	45.0	–	–	–	0.0	–	–	0.0	2.7	–	0.0	–	–
123.0	55.0	–	–	–	0.0	0.0	2.8	0.0	–	–	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–

Sebastes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	–	–	–	–	–	–	40.5	–	–	–	–	–
40.0	45.0	–	–	–	–	–	–	16.9	–	–	–	–	–
40.0	50.0	–	–	–	–	–	–	24.2	–	–	–	–	–
40.0	55.0	–	–	–	–	–	–	54.0	–	–	–	–	–
40.0	60.0	–	–	–	–	–	–	7.9	–	–	–	–	–
43.0	42.0	–	–	–	–	–	–	4.9	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	200.2	–	–	–	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	50.0	-	-	-	-	-	-	67.1	-	-	-	-	-
43.0	55.0	-	-	-	-	-	-	39.4	-	-	-	-	-
43.0	60.0	-	-	-	-	-	-	21.4	-	-	-	-	-
43.0	90.0	-	-	-	-	-	-	5.8	-	-	-	-	-
47.0	50.0	-	-	161.5	-	-	-	154.8	-	-	-	-	-
47.0	55.0	-	-	55.2	-	-	-	33.2	-	-	-	-	-
47.0	60.0	-	-	-	-	-	-	8.9	-	-	-	-	-
50.0	47.0	-	-	-	-	-	8.7	-	-	-	-	-	-
50.0	50.0	-	-	-	-	-	16.6	-	-	-	-	-	-
50.0	60.0	-	-	-	-	-	21.2	-	-	-	-	-	-
50.0	70.0	-	-	-	-	-	-	51.7	-	-	-	-	-
53.0	52.0	-	-	-	-	-	30.7	30.4	-	-	-	-	-
53.0	55.0	-	-	-	-	-	0.0	3.1	-	-	-	-	-
53.0	60.0	-	-	-	-	-	0.0	26.7	-	-	-	-	-
57.0	55.0	-	-	-	-	-	9.3	35.1	-	-	-	-	-
57.0	60.0	-	-	-	-	-	6.4	38.8	-	-	-	-	-
60.0	52.0	-	-	-	2.9	4.5	0.0	78.0	-	-	-	0.0	-
60.0	55.0	427.6	-	-	38.2	17.3	14.1	0.0	-	-	-	0.0	-
60.0	60.0	-	-	-	64.0	489.0	5.8	39.8	-	-	-	0.0	-
60.0	65.0	-	-	-	8.5	-	-	3.1	-	-	-	-	-
60.0	70.0	-	-	-	6.9	43.5	24.5	2.8	-	-	-	3.2	-
60.0	80.0	-	-	-	3.1	2.7	0.0	0.0	-	-	-	2.8	-
63.0	52.0	187.7	-	-	2.9	22.6	0.0	0.0	-	-	2.5	-	-
63.0	55.0	-	-	-	-	67.3	-	47.1	-	-	2.8	-	-
63.0	60.0	79.4	-	-	-	65.8	43.4	12.3	-	-	0.0	-	-
63.0	65.0	-	-	-	-	-	-	22.0	-	-	-	-	-
63.0	70.0	-	-	-	-	3.2	0.0	10.4	-	-	0.0	-	-
63.0	90.0	-	-	-	-	0.0	0.0	6.8	-	-	-	-	-
67.0	50.0	-	-	-	16.0	21.1	51.5	43.0	-	-	55.7	-	-
67.0	55.0	134.6	-	-	0.0	3.5	6.1	442.2	-	-	5.7	-	-
67.0	60.0	8.9	-	-	0.0	12.4	77.0	87.5	-	-	0.0	-	-
67.0	65.0	-	-	-	7.3	-	-	0.0	-	-	0.0	-	-
67.0	70.0	-	-	-	0.0	22.0	0.0	0.0	-	-	2.9	-	-
67.0	80.0	-	-	-	6.6	0.0	0.0	0.0	-	-	6.3	-	-
70.0	52.0	-	-	602.0	16.0	48.8	42.1	93.0	-	-	-	-	-
70.0	55.0	-	-	-	5.6	17.9	46.8	7.6	-	-	23.8	-	-
70.0	60.0	-	-	25.4	10.1	34.4	11.5	11.9	-	-	3.0	-	-
70.0	65.0	-	-	-	16.5	-	-	0.0	-	-	3.2	-	-
70.0	70.0	2.7	-	43.8	0.0	14.8	12.3	3.2	-	-	3.0	-	-
70.0	80.0	0.0	-	16.9	6.8	0.0	0.0	9.8	-	-	0.0	-	-
70.0	90.0	5.3	-	5.5	0.0	0.0	0.0	0.0	-	-	-	0.0	-
73.0	51.0	-	-	-	19.1	10.6	5.9	110.9	-	-	2.0	-	-
73.0	55.0	29.8	-	61.2	5.5	22.1	31.2	29.3	-	-	2.7	-	-
73.0	60.0	21.4	-	-	6.9	14.7	20.2	70.5	-	-	0.0	-	-
73.0	65.0	-	-	-	3.3	-	-	20.1	-	-	0.0	-	-
73.0	70.0	-	-	-	0.0	18.2	2.9	5.6	-	-	3.1	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	75.0	-	-	-	0.0	-	-	3.5	-	-	-	-	-
73.0	80.0	-	-	-	0.0	2.9	0.0	0.0	-	-	0.0	-	-
73.0	90.0	-	-	3.5	0.0	0.0	0.0	-	-	-	-	0.0	-
77.0	50.0	-	-	-	50.6	20.9	13.2	15.3	-	-	0.0	-	-
77.0	55.0	33.9	27.4	-	10.1	51.3	18.8	3.3	-	-	6.5	-	-
77.0	60.0	52.4	10.1	-	64.6	200.9	5.9	23.6	-	-	0.0	-	-
77.0	65.0	-	-	-	1.7	-	-	12.8	-	-	-	-	-
77.0	70.0	-	-	-	0.0	6.1	14.6	0.0	-	-	0.0	-	-
77.0	75.0	-	-	-	0.0	-	-	2.5	-	-	-	-	-
80.0	51.0	345.1	416.3	33.5	2.7	52.6	24.8	5.1	-	-	21.6	0.0	38.7
80.0	55.0	223.0	462.8	37.4	9.2	6.1	31.6	15.2	-	-	5.7	5.6	53.7
80.0	60.0	66.2	18.3	0.0	9.3	23.5	0.0	3.5	-	-	0.0	0.0	13.3
80.0	65.0	-	-	-	13.0	-	-	0.0	-	-	-	-	-
80.0	70.0	30.3	5.7	0.0	12.1	0.0	5.9	3.2	-	-	0.0	-	0.0
80.0	80.0	6.0	0.0	0.0	0.0	8.3	0.0	0.0	-	-	0.0	-	0.0
80.0	90.0	-	18.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
82.0	47.0	421.2	320.1	71.1	86.1	11.4	22.6	6.3	-	-	5.5	2.5	28.6
83.0	40.0	-	22.8	38.4	0.0	3.6	7.3	4.1	-	-	1.0	0.0	11.9
83.0	43.0	336.6	119.0	261.9	191.1	24.5	6.3	9.5	-	-	31.6	5.5	47.8
83.0	51.0	222.0	80.0	23.8	74.9	28.2	8.9	3.3	-	-	3.5	5.5	7.8
83.0	55.0	89.9	-	140.1	13.6	119.1	11.8	6.0	-	-	0.0	-	0.0
83.0	60.0	0.0	-	90.5	19.6	68.4	37.0	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	0.0	23.3	0.0	0.0	-	-	-	-	-
83.0	70.0	3.0	-	0.0	0.0	30.5	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
87.0	35.0	144.6	135.5	17.8	84.5	5.2	25.6	0.0	-	-	8.9	16.4	2.5
87.0	40.0	232.3	64.1	41.6	80.1	32.9	16.2	3.7	-	-	0.0	4.0	11.0
87.0	45.0	65.0	49.0	54.0	90.5	2.9	12.4	0.0	-	-	11.7	6.2	25.6
87.0	50.0	-	-	82.7	25.0	50.5	9.8	2.6	-	-	2.2	4.3	15.9
87.0	55.0	-	1235.4	23.3	2.9	61.1	0.0	2.3	-	-	5.6	-	0.0
87.0	60.0	-	37.3	0.0	0.0	38.1	0.0	0.0	-	-	0.0	14.3	0.0
87.0	65.0	-	-	-	0.0	5.2	3.1	0.0	-	-	-	-	-
87.0	70.0	-	3.0	2.8	0.0	0.0	3.1	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	0.0	5.7	2.7	0.0	-	-	-	-	-
90.0	28.0	-	45.4	182.0	6.4	2.9	0.0	0.0	-	11.4	2.4	0.0	2.8
90.0	30.0	-	2.9	267.8	27.9	18.5	6.3	0.0	-	0.0	5.5	2.5	-
90.0	37.0	-	-	3.0	3.2	24.8	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	45.0	-	2.9	29.2	8.0	12.8	0.0	3.2	-	0.0	0.0	0.0	2.7
90.0	50.0	-	282.2	210.1	-	57.5	43.1	6.5	-	3.4	0.0	6.5	2.5
90.0	55.0	-	60.4	3.8	23.1	36.1	0.0	8.9	-	1.4	0.0	3.2	2.9
90.0	60.0	-	12.8	10.0	7.6	119.3	3.0	29.6	-	0.0	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	64.3	0.0	3.3	-	0.0	-	-	-
90.0	70.0	-	7.8	3.1	6.6	39.9	0.0	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	0.0	6.9	0.0	3.3	-	-	-	-	-
90.0	80.0	-	0.0	0.0	-	3.1	0.0	0.0	-	-	2.6	0.0	0.0
90.0	90.0	-	1.7	0.0	0.0	2.3	24.1	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	21.1	68.3	50.0	17.4	4.8	5.5	21.3	-	2.2	0.0	2.2	0.0
93.0	30.0	91.0	37.8	31.4	0.0	8.5	0.0	0.0	-	0.0	0.0	2.3	2.7
93.0	35.0	-	189.1	36.9	39.6	23.7	3.9	0.0	-	2.4	0.0	0.0	0.0
93.0	40.0	34.0	64.8	44.4	16.7	9.5	3.4	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	46.8	3.2	-	62.5	10.1	0.0	-	0.0	0.0	-	-
93.0	50.0	23.2	12.9	3.5	41.5	21.0	27.3	0.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	5.6	48.8	30.1	26.6	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	7.0	0.0	0.0	22.6	18.0	-	0.0	0.0	0.0	7.8
93.0	65.0	-	-	-	0.0	5.4	6.6	4.9	-	0.0	-	-	-
93.0	70.0	0.0	-	0.0	0.0	14.5	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.5
93.0	90.0	-	-	-	-	0.0	3.1	0.0	-	-	0.0	-	-
97.0	30.0	-	50.3	38.5	15.7	23.7	8.8	0.0	-	-	6.7	0.0	0.0
97.0	32.0	-	22.3	23.5	3.1	31.5	-	3.4	-	-	449.6	0.0	0.0
97.0	35.0	-	-	-	5.8	5.9	0.0	0.0	-	-	31.2	2.7	0.0
97.0	40.0	-	3.1	3.3	0.0	5.5	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	5.7	9.6	23.8	0.0	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	1.6	0.0	41.0	8.9	29.2	3.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	9.0	18.3	0.0	3.0	-	-	0.0	-	-
97.0	60.0	0.0	0.0	0.0	0.0	8.1	0.0	8.4	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	0.0	3.0	6.1	-	-	-	-	-
97.0	70.0	0.0	3.0	0.0	16.9	0.0	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	52.5	22.2	3.0	-	-	-	12.0	0.0	0.0
100.0	30.0	188.7	70.8	161.2	102.3	30.4	-	2.2	-	-	19.6	4.4	0.0
100.0	32.0	78.3	6.4	14.2	-	-	-	-	-	-	-	-	-
100.0	33.0	-	-	-	-	-	3.2	-	-	-	-	-	-
100.0	35.0	-	-	-	3.1	73.6	-	2.8	-	-	0.0	0.0	5.5
100.0	40.0	3.4	2.8	0.0	6.4	18.5	0.0	2.9	-	-	0.0	0.0	0.0
100.0	45.0	-	-	3.7	0.0	33.7	2.9	0.0	-	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	12.0	0.0	-	-	-	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	3.1	0.0	-	-	0.0	-	-
103.0	30.0	13.4	70.8	143.1	62.0	62.8	2.7	2.4	-	-	-	-	-
103.0	35.0	0.0	3.5	55.0	70.8	14.4	6.2	0.0	-	-	0.0	-	-
103.0	40.0	0.0	0.0	3.8	10.0	14.3	3.0	0.0	-	-	0.0	-	-
103.0	45.0	-	-	3.6	6.1	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
103.0	55.0	-	-	-	0.0	2.5	0.0	0.0	-	-	0.0	-	-
107.0	32.0	46.0	7.3	27.8	40.8	-	9.5	2.9	-	-	3.9	-	-
107.0	35.0	0.0	5.1	68.8	9.3	3.1	0.0	5.3	-	-	-	-	-
107.0	40.0	0.0	3.2	0.0	18.9	9.8	2.8	0.0	-	-	0.0	-	-
107.0	45.0	-	-	0.0	26.7	12.9	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	15.5	25.1	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	21.2	3.3	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	0.0	3.3	0.0	0.0	-	-	0.0	-	-
107.0	65.0	-	-	-	3.5	0.0	-	0.0	-	-	-	-	-
110.0	33.0	9.5	8.5	39.4	14.6	16.4	0.0	2.3	0.0	0.0	2.2	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	35.0	17.1	19.3	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	9.5	11.3	49.9	11.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	0.0	10.6	3.0	0.0	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	0.0	20.2	0.0	6.5	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	12.0	18.7	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	2.5	10.5	7.4	0.0	0.0	0.0	0.0	0.0	1.9	–	–
113.0	35.0	3.1	11.0	3.1	28.9	0.0	15.7	0.0	0.0	3.6	0.0	–	–
113.0	45.0	–	0.0	0.0	10.2	9.6	2.1	0.0	–	–	0.0	–	–
113.0	50.0	0.0	8.0	0.0	6.3	0.0	0.0	0.0	–	–	0.0	–	–
113.0	55.0	–	–	–	2.7	0.0	0.0	0.0	–	–	0.0	–	–
113.0	60.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	–	–	0.0	–	–
117.0	26.0	0.0	10.9	14.6	36.0	0.0	2.3	2.8	3.0	0.0	2.5	–	–
117.0	30.0	1.5	112.5	16.3	27.1	0.0	9.5	9.3	0.0	0.0	0.0	–	–
117.0	35.0	23.4	34.5	34.9	13.2	24.8	0.0	0.0	0.0	0.0	0.0	–	–
117.0	40.0	9.1	151.3	40.1	14.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	45.0	–	–	0.0	12.9	4.5	0.0	0.0	–	–	0.0	–	–
117.0	50.0	0.0	11.3	6.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	55.0	–	–	–	0.0	12.2	0.0	0.0	–	–	0.0	–	–
117.0	60.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
118.0	39.0	3.2	156.6	25.6	16.1	45.6	7.7	6.1	–	–	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	0.0	6.1	–	–	–
119.0	33.0	0.0	0.0	5.0	12.0	0.0	6.3	0.0	0.0	0.0	3.1	–	–
120.0	25.0	–	0.0	1.5	9.4	0.0	0.0	2.5	0.0	–	0.0	–	–
120.0	30.0	–	0.0	5.7	18.6	4.6	2.5	0.0	0.0	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–
120.0	40.0	–	1.3	0.0	23.5	2.9	7.7	0.0	0.0	–	0.0	–	–
120.0	45.0	0.0	21.2	13.6	33.1	9.6	28.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	98.7	23.5	3.7	0.0	0.0	–	–	0.0	–	–
120.0	55.0	–	–	–	2.8	8.7	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	0.0	14.4	0.0	11.1	0.0	–	–	–	0.0	–	–
120.0	65.0	–	–	–	18.6	3.8	0.0	0.0	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	26.7	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	0.0	81.6	142.7	15.8	210.0	5.3	0.0	0.0	0.0	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–
123.0	50.0	0.0	0.0	3.2	0.0	0.0	7.8	0.0	–	–	0.0	–	–
123.0	60.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	0.0	33.5	38.8	93.9	12.9	9.1	0.0	0.0	0.0	4.9	–	–
127.0	40.0	0.0	0.0	3.5	10.7	4.3	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	0.0	0.0	6.0	49.1	54.3	2.3	0.0	0.0	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	3.8	2.9	0.0	0.0	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	17.6	138.2	0.0	6.1	0.0	0.0	0.0	0.0	–	–
133.0	35.0	–	0.0	367.0	–	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	3.3	2.6	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	45.0	–	–	–	0.0	0.0	0.0	2.7	–	–	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–
137.0	35.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	–	–	0.0	–	–
143.0	26.0	4.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	25.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–

Sebastolobus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	0.0	–	0.0	0.0	0.0	2.8	0.0	–	–	0.0	0.0	0.0
93.0	70.0	0.0	–	0.0	0.0	2.9	0.0	0.0	–	0.0	0.0	0.0	0.0

Prionotus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	5.9	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	–	–
130.0	30.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.9	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	281.1	31.2	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	15.8	–	–
137.0	23.0	1.7	3.6	0.0	0.0	0.0	0.0	0.0	89.0	445.4	177.6	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	0.0	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	26.2	–	–
140.0	35.0	0.0	9.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	20.0	14.9	28.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	25.0	0.0	14.4	0.0	–	–	–	–	–	–	0.0	–	–

Hypsoblennius spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	–	–	0.0	0.0	0.0
87.0	50.0	–	–	0.0	0.0	0.0	0.0	2.6	–	–	0.0	0.0	0.0
90.0	28.0	–	0.0	0.0	0.0	2.9	0.0	0.0	–	1.4	4.8	0.0	0.0
90.0	30.0	–	0.0	0.0	0.0	2.6	0.0	0.0	–	0.0	2.7	0.0	–
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	–	1.5	0.0	0.0	0.0
93.0	30.0	0.0	0.0	0.0	0.0	0.0	6.1	2.7	–	2.0	0.0	0.0	0.0
93.0	35.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.9	0.0	0.0	0.0
97.0	30.0	–	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Hypsoblennius spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	35.0	–	–	–	0.0	0.0	3.1	0.0	–	–	0.0	0.0	0.0
100.0	29.0	–	–	–	0.0	6.3	0.0	–	–	–	0.0	0.0	0.0
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–	0.0	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	4.5	–	–
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	3.6	0.0	–	–
115.0	30.0	–	–	–	–	–	–	–	3.0	0.0	–	–	–
117.0	30.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	4.2	–	–
118.5	30.0	–	–	–	–	–	–	–	3.1	0.0	–	–	–
118.5	35.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.7	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.0	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–
123.0	37.0	2.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	0.0	3.0	–	–
130.0	30.0	2.8	0.0	0.0	0.0	0.0	0.0	24.8	0.0	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–
133.0	25.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	1.9	2.6	2.9	3.5	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	6.1	0.0	0.0	–	–

Clinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	0.0	0.0	2.4	0.0	0.0	–	–	0.0	–	0.0
93.0	27.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	12.8	0.0	6.3	2.6	0.0	0.0	–	–	3.4	0.0	0.0
100.0	30.0	0.0	3.0	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
103.0	30.0	0.0	0.0	0.0	28.2	0.0	2.7	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	3.4	6.4	0.0	0.0	0.0	–	–	0.0	–	–
110.0	33.0	0.0	0.0	0.0	9.7	20.6	0.0	0.0	0.0	0.0	0.0	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–
120.0	40.0	–	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
133.0	35.0	–	0.0	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
137.0	23.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Gobiidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	55.0	-	-	2.4	-	-	-	0.0	-	-	-	-	-
70.0	52.0	-	-	0.0	2.7	0.0	0.0	0.0	-	-	-	-	-
73.0	60.0	0.0	-	-	3.5	0.0	0.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	0.0	-	-	2.5	-	-	-	-	-
80.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	2.5	-	-	0.0	0.0	0.0
80.0	55.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	0.0	0.0
82.0	47.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	40.0	-	0.0	0.0	1.4	0.0	0.0	1.4	-	-	0.0	0.0	0.0
83.0	51.0	0.0	3.0	0.0	4.2	0.0	6.0	0.0	-	-	0.0	0.0	0.0
83.0	55.0	0.0	-	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
83.0	60.0	0.0	-	0.0	0.0	0.0	2.8	0.0	-	-	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	50.0	-	-	6.4	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	0.0	3.3	3.2	0.0	0.0	2.3	-	0.0	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	9.3	0.0	0.0	3.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	0.0	0.0	3.1	-	0.0	0.0	0.0	0.0
90.0	50.0	-	8.2	0.0	-	0.0	0.0	3.3	-	0.0	0.0	0.0	0.0
93.0	30.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	3.1	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	0.0	0.0	0.0
97.0	30.0	-	0.0	0.0	3.1	0.0	0.0	0.0	-	-	6.7	0.0	0.0
97.0	32.0	-	1.3	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0
97.0	50.0	-	0.0	0.0	0.0	3.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	30.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0
100.0	40.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
103.0	32.0	-	-	-	-	-	-	-	-	-	2.4	-	-
103.0	65.0	-	-	-	0.0	3.0	-	0.0	-	-	-	-	-
107.0	32.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	-
107.0	35.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.2	-	-
110.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	-	-	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	-	-
117.0	60.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.0	39.0	0.0	7.0	0.0	0.0	0.0	2.6	0.0	-	-	0.0	-	-
120.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	-
120.0	35.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	4.3	-	0.0	-	-
120.0	45.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-
133.0	25.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.6	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	-	-
133.0	35.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	2.8	-	-
137.0	23.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	17.2	27.8	26.6	-	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	-	-
140.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	4.8	-	-
140.0	35.0	2.3	0.0	0.0	-	-	-	-	-	-	13.5	-	-
143.0	26.0	0.0	0.0	0.0	-	-	-	-	-	-	8.1	-	-
143.0	40.0	0.0	3.5	0.0	-	-	-	-	-	-	7.9	-	-
143.0	50.0	0.0	-	-	-	-	-	-	-	-	2.3	-	-
143.0	55.0	-	-	-	-	-	-	-	-	-	8.6	-	-
147.0	20.0	3.0	0.0	0.0	-	-	-	-	-	-	10.9	-	-
147.0	25.0	5.4	0.0	0.0	-	-	-	-	-	-	0.0	-	-
147.0	30.0	3.2	0.0	0.0	-	-	-	-	-	-	2.8	-	-
147.0	50.0	-	-	-	-	-	-	-	-	-	5.2	-	-
147.0	55.0	-	-	-	-	-	-	-	-	-	7.8	-	-
150.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	2.7	-	-
150.0	35.0	-	-	-	-	-	-	-	-	-	2.8	-	-
150.0	40.0	0.0	0.0	0.0	-	-	-	-	-	-	2.5	-	-
153.0	16.0	10.7	-	-	-	-	-	-	-	-	9.0	-	-
153.0	50.0	0.0	-	-	-	-	-	-	-	-	3.0	-	-

Labridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	60.0	0.0	-	-	-	6.0	0.0	0.0	-	-	0.0	-	-
70.0	60.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
70.0	70.0	0.0	-	0.0	0.0	3.7	0.0	0.0	-	-	0.0	-	-
80.0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	0.0	0.0	0.0
83.0	40.0	-	0.0	0.0	0.0	1.2	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	0.0	6.5	0.0	15.8	-	-	2.9	0.0	0.0
83.0	55.0	0.0	-	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
83.0	70.0	0.0	-	0.0	0.0	3.0	0.0	0.0	-	-	0.0	-	-
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.3	0.0
87.0	50.0	-	-	0.0	0.0	0.0	0.0	5.1	-	-	0.0	0.0	0.0
87.0	55.0	-	0.0	0.0	0.0	0.0	0.0	2.3	-	-	0.0	-	0.0
90.0	30.0	-	0.0	0.0	0.0	5.3	0.0	0.0	-	0.0	0.0	0.0	-
90.0	50.0	-	0.0	0.0	-	0.0	6.2	6.5	-	0.6	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	0.0	0.0	0.0
93.0	35.0	-	0.0	0.0	0.0	5.9	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	0.0	0.0	9.0	13.3	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	3.2	6.0	-	0.0	0.0	0.0	0.0
97.0	32.0	-	0.0	0.0	0.0	0.0	-	6.8	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	2.9	0.0	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	0.0	0.0	0.0	0.0	0.0	6.3	-	-	0.0	0.0	0.0
100.0	35.0	-	-	-	0.0	0.0	-	5.7	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	0.0	3.1	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Labridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	35.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	–
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
107.0	32.0	0.0	0.0	0.0	13.6	–	0.0	8.6	–	–	0.0	–	–
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	3.5	0.0	0.0	0.0	–	–	2.7	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	33.3	2.2	–	–
110.0	55.0	–	–	–	6.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	–	–
113.0	60.0	0.0	0.0	0.0	37.8	0.0	0.0	0.0	–	–	0.0	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	–	–
120.0	25.0	–	0.0	0.0	0.0	0.0	0.0	2.5	5.3	–	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.4	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	6.4	–	0.0	–	–
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.5	–	–
120.0	60.0	3.7	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–	–
120.0	80.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.7	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–
130.0	60.0	3.3	0.0	0.0	0.0	0.0	–	0.0	–	–	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	5.3	–	–
133.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	28.9	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	38.1	–	–
140.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	10.8	–	–
140.0	40.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
143.0	35.0	0.0	3.5	0.0	–	–	–	–	–	–	0.0	–	–
147.0	20.0	0.0	0.0	0.0	–	–	–	–	–	–	5.4	–	–
147.0	25.0	2.7	0.0	0.0	–	–	–	–	–	–	2.6	–	–
147.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
147.0	40.0	0.0	3.2	0.0	–	–	–	–	–	–	0.0	–	–
147.0	45.0	–	–	–	–	–	–	–	–	–	2.8	–	–
150.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	12.7	–	–
150.0	45.0	–	–	–	–	–	–	–	–	–	2.7	–	–
153.0	16.0	0.0	–	–	–	–	–	–	–	–	6.0	–	–
153.0	20.0	3.1	–	–	–	–	–	–	–	–	0.0	–	–
153.0	40.0	2.2	–	–	–	–	–	–	–	–	0.0	–	–
157.0	10.0	3.3	–	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Pomacentridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	6.4	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
153.0	40.0	2.2	–	–	–	–	–	–	–	–	0.0	–	–
157.0	30.0	11.9	–	–	–	–	–	–	–	–	–	–	–

Chromis punctipinnis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	0.0	0.0
87.0	50.0	–	–	0.0	0.0	0.0	0.0	2.6	–	–	0.0	0.0	0.0
90.0	50.0	–	0.0	0.0	–	0.0	3.1	0.0	–	0.0	2.9	0.0	0.0
97.0	50.0	–	0.0	0.0	0.0	0.0	2.9	0.0	–	–	0.0	0.0	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	3.1	3.0	–	–	–
118.5	30.0	–	–	–	–	–	–	–	3.1	0.0	–	–	–
118.5	35.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.5	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	–	–
150.0	40.0	0.0	2.9	0.0	–	–	–	–	–	–	0.0	–	–

Apogonidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	4.8	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	5.7	–	–

Brama spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	90.0	–	–	0.0	0.0	0.0	0.0	3.2	–	–	–	0.0	–
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	–	–	0.0	–	–
107.0	75.0	–	–	–	0.0	2.3	–	0.0	–	–	–	–	–
117.0	70.0	3.1	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	70.0	2.9	–	–	0.0	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Carangidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	1.4	0.0	0.0	0.0
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	14.3	–	–	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	7.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	2.0	–	–
143.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
143.0	50.0	0.0	–	–	–	–	–	–	–	–	2.3	–	–
147.0	55.0	–	–	–	–	–	–	–	–	–	2.6	–	–
150.0	19.0	0.0	0.0	0.0	–	–	–	–	–	–	8.1	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	2.9	–	–
150.0	50.0	–	–	–	–	–	–	–	–	–	2.7	–	–
153.0	20.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–
153.0	25.0	–	–	–	–	–	–	–	–	–	2.7	–	–

Seriola lalandi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	37.0	–	–	0.0	0.0	0.0	0.0	6.2	–	0.0	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	0.0	0.0	0.0	0.0
97.0	32.0	–	0.0	0.0	0.0	0.0	–	17.1	–	–	0.0	0.0	0.0
123.0	45.0	–	–	–	0.0	–	–	0.0	2.7	–	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	–	–
130.0	70.0	–	–	–	3.3	–	–	–	–	–	–	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–

Trachurus symmetricus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	–	–	–	–	–	–	14.1	–	–	–	–	–
40.0	50.0	–	–	–	–	–	–	57.4	–	–	–	–	–
40.0	55.0	–	–	–	–	–	–	117.0	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	2.8	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	15.3	–	–	–	–	–
43.0	90.0	–	–	–	–	–	–	2.9	–	–	–	–	–
47.0	60.0	–	–	–	–	–	–	5.9	–	–	–	–	–
47.0	90.0	–	–	–	–	–	–	43.8	–	–	–	–	–
50.0	50.0	–	–	–	–	–	23.2	–	–	–	–	–	–
50.0	70.0	–	–	–	–	–	–	61.4	–	–	–	–	–
50.0	80.0	–	–	–	–	–	–	118.2	–	–	–	–	–
50.0	90.0	–	–	–	–	–	–	13.9	–	–	–	–	–
60.0	60.0	–	–	–	0.0	0.0	5.8	3.1	–	–	–	0.0	–
60.0	65.0	–	–	–	0.0	–	–	12.3	–	–	–	–	–
60.0	70.0	–	–	–	0.0	0.0	24.5	5.7	–	–	–	0.0	–

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 100.0	-	-	-	3.3	-	-	-	-	-	-	0.0	-
60.0 110.0	-	-	-	8.1	-	-	-	-	-	-	-	-
63.0 52.0	0.0	-	-	0.0	0.0	3.0	0.0	-	-	0.0	-	-
63.0 60.0	0.0	-	-	-	0.0	14.5	0.0	-	-	0.0	-	-
63.0 65.0	-	-	-	-	-	-	22.0	-	-	-	-	-
63.0 110.0	-	-	-	23.7	-	-	-	-	-	-	-	-
67.0 50.0	-	-	-	0.0	0.0	9.1	0.0	-	-	0.0	-	-
67.0 55.0	0.0	-	-	0.0	0.0	55.3	0.0	-	-	0.0	-	-
67.0 60.0	0.0	-	-	0.0	0.0	35.5	0.0	-	-	0.0	-	-
67.0 90.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
67.0 100.0	-	-	-	-	-	-	5.4	-	-	-	0.0	-
67.0 110.0	-	-	-	8.1	-	-	-	-	-	-	-	-
70.0 52.0	-	-	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
70.0 55.0	-	-	-	0.0	3.0	6.2	0.0	-	-	0.0	-	-
70.0 60.0	-	-	0.0	0.0	3.4	0.0	0.0	-	-	0.0	-	-
70.0 70.0	0.0	-	23.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0 80.0	0.0	-	23.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0 90.0	0.0	-	0.0	0.0	5.2	0.0	0.0	-	-	-	0.0	-
70.0 100.0	-	-	-	4.1	-	-	0.0	-	-	-	0.0	-
70.0 110.0	-	-	-	18.8	-	-	-	-	-	-	-	-
73.0 55.0	0.0	-	12.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
73.0 60.0	0.0	-	-	0.0	0.0	8.6	0.0	-	-	0.0	-	-
73.0 70.0	-	-	-	0.0	0.0	2.9	0.0	-	-	0.0	-	-
73.0 75.0	-	-	-	0.0	-	-	3.5	-	-	-	-	-
73.0 80.0	-	-	-	0.0	0.0	11.7	0.0	-	-	0.0	-	-
73.0 90.0	-	-	7.0	0.0	0.0	9.5	-	-	-	-	0.0	-
77.0 50.0	-	-	-	0.0	0.0	5.3	0.0	-	-	0.0	-	-
77.0 55.0	0.0	0.0	-	0.0	10.8	0.0	0.0	-	-	0.0	-	-
77.0 60.0	0.0	37.0	-	0.0	12.3	0.0	5.2	-	-	0.0	-	-
77.0 65.0	-	-	-	0.0	-	-	20.4	-	-	-	-	-
77.0 70.0	-	-	-	0.0	45.8	29.2	4.4	-	-	0.0	-	-
77.0 75.0	-	-	-	0.0	-	-	5.1	-	-	-	-	-
77.0 80.0	-	-	-	5.6	2.7	0.0	2.7	-	-	0.0	-	-
77.0 85.0	-	-	-	6.6	-	-	13.1	-	-	-	-	-
77.0 90.0	-	-	3.2	19.4	39.9	0.0	42.1	-	-	-	0.0	-
80.0 60.0	0.0	6.1	0.0	0.0	2.1	0.0	0.0	-	-	0.0	0.0	0.0
80.0 65.0	-	-	-	0.0	-	-	4.1	-	-	-	-	-
80.0 70.0	0.0	17.0	8.9	0.0	12.3	0.0	3.2	-	-	0.0	-	0.0
80.0 80.0	0.0	3.3	0.0	27.0	0.0	38.4	4.0	-	-	0.0	-	0.0
80.0 85.0	-	-	-	2.9	-	-	0.0	-	-	-	-	-
80.0 90.0	-	16.0	6.8	2.6	0.0	8.9	0.0	-	-	0.0	-	-
80.0 100.0	-	-	-	23.3	-	-	-	-	-	-	-	-
80.0 110.0	-	-	-	2.9	-	-	-	-	-	-	-	-
80.0 120.0	-	-	-	2.8	-	-	-	-	-	-	-	-
80.0 130.0	-	-	-	8.3	-	-	-	-	-	-	-	-
80.0 145.0	-	-	-	2.7	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	-	-	0.0	0.0	0.0
83.0	51.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	55.0	0.0	-	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
83.0	60.0	0.0	-	0.0	6.5	28.0	5.7	0.0	-	-	0.0	0.0	0.0
83.0	65.0	-	-	-	95.4	10.4	0.0	0.0	-	-	-	-	-
83.0	70.0	3.0	-	0.0	118.1	9.1	0.0	0.0	-	-	0.0	-	-
83.0	75.0	-	-	-	27.9	276.9	3.0	0.0	-	-	-	-	-
83.0	80.0	-	-	10.9	19.8	41.3	3.1	0.0	-	-	0.0	-	-
83.0	85.0	-	-	-	-	77.0	17.6	0.0	-	-	-	-	-
83.0	90.0	-	-	-	-	62.5	5.9	32.2	-	-	0.0	-	-
87.0	35.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	50.0	-	-	0.0	0.0	5.3	0.0	7.7	-	-	0.0	0.0	0.0
87.0	55.0	-	0.0	0.0	0.0	43.7	0.0	0.0	-	-	0.0	-	0.0
87.0	60.0	-	0.0	0.0	2.9	0.0	6.2	0.0	-	-	0.0	0.0	0.0
87.0	65.0	-	-	-	12.8	36.1	9.2	0.0	-	-	-	-	-
87.0	70.0	-	0.0	0.0	22.4	69.3	21.4	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	115.6	0.0	2.7	0.0	-	-	-	-	-
87.0	80.0	-	0.0	0.0	16.5	0.0	49.6	0.0	-	-	0.0	-	-
87.0	85.0	-	-	-	-	13.9	25.5	14.4	-	-	-	-	-
87.0	90.0	-	-	-	-	153.7	58.0	24.7	-	-	0.0	-	-
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	0.0	21.1	0.0	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	12.4	0.0	3.1	-	0.0	0.0	0.0	0.0
90.0	45.0	-	0.0	0.0	0.0	0.0	0.0	12.7	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	0.0	-	2.7	18.5	9.8	-	0.0	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	0.0	36.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	24.5	0.0	6.6	-	0.0	0.0	0.0	0.0
90.0	65.0	-	-	-	0.0	27.5	0.0	6.6	-	0.0	-	-	-
90.0	70.0	-	46.8	0.0	6.6	18.6	12.4	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	4.6	44.7	0.0	0.0	-	-	-	-	-
90.0	80.0	-	94.1	4.4	-	24.5	0.0	10.3	-	-	0.0	0.0	0.0
90.0	85.0	-	-	-	23.1	54.7	47.3	3.3	-	-	-	-	-
90.0	90.0	-	6.6	13.2	3.2	29.9	30.1	6.3	-	-	0.0	-	-
90.0	100.0	-	-	-	3.5	-	-	-	-	-	-	-	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	-	0.0	0.0	0.0	0.0
93.0	35.0	-	0.0	0.0	0.0	0.0	3.9	0.0	-	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	-	0.0	0.0	0.0	0.0
93.0	45.0	-	0.0	0.0	-	15.0	0.0	26.6	-	0.0	0.0	-	-
93.0	50.0	0.0	0.0	0.0	0.0	13.1	9.1	32.8	-	0.0	0.0	0.0	0.0
93.0	55.0	-	-	-	61.2	113.8	6.0	53.1	-	0.0	0.0	-	-
93.0	60.0	0.0	12.3	0.0	41.1	0.0	19.4	42.0	-	0.0	0.0	0.0	0.0
93.0	65.0	-	-	-	56.0	21.7	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	-	0.0	15.6	2.9	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	75.0	-	-	-	-	3.6	34.2	6.6	-	-	-	-	-
93.0	80.0	0.0	2.8	0.0	187.2	28.9	10.0	0.0	-	-	0.0	0.0	0.0

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	85.0	-	-	-	-	36.8	12.4	7.0	-	-	-	-	-
93.0	90.0	-	-	-	-	13.3	0.0	0.0	-	-	0.0	-	-
97.0	30.0	-	0.0	0.0	0.0	0.0	2.2	1.6	-	-	0.0	0.0	0.0
97.0	32.0	-	1.3	0.0	6.1	2.9	-	6.8	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	0.0	0.0	11.9	2.8	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	4.3	0.0	10.9	11.8	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	20.9	21.4	0.0	0.0	-	-	0.0	-	-
97.0	60.0	3.2	23.6	0.0	44.8	43.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	35.1	9.7	6.1	9.2	-	-	-	-	-
97.0	70.0	13.4	0.0	0.0	16.9	46.6	29.5	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	103.4	24.6	5.9	0.0	-	-	-	-	-
97.0	80.0	7.0	15.3	3.5	6.4	22.5	0.0	0.0	-	-	0.0	-	-
97.0	85.0	-	-	-	-	5.9	15.1	0.0	-	-	-	-	-
97.0	90.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	3.3	3.2	0.0	-	-	-	0.0	0.0	0.0
100.0	35.0	-	-	-	3.1	0.0	-	0.0	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	16.0	0.0	5.8	0.0	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	6.0	0.0	14.5	4.9	-	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	2.9	0.0	5.7	-	-	-	0.0	0.0
100.0	55.0	-	-	-	0.0	6.0	37.2	0.0	-	-	0.0	-	-
100.0	60.0	0.0	0.0	0.0	3.0	25.6	18.1	0.0	-	-	-	0.0	0.0
100.0	65.0	-	-	-	0.0	8.6	6.1	0.0	-	-	-	-	-
100.0	70.0	0.0	0.0	0.0	0.0	3.1	6.6	0.0	-	-	0.0	-	-
100.0	75.0	-	-	-	9.1	36.5	0.0	0.0	-	-	-	-	-
100.0	80.0	0.0	15.7	3.4	3.0	31.0	0.0	0.0	-	-	0.0	-	-
100.0	85.0	-	-	-	0.0	6.0	0.0	0.0	-	-	-	-	-
100.0	90.0	0.0	6.2	0.0	0.0	2.6	0.0	0.0	-	-	0.0	-	-
103.0	40.0	0.0	0.0	0.0	23.4	39.4	0.0	2.8	-	-	0.0	-	-
103.0	45.0	-	-	0.0	12.1	12.3	0.0	0.0	-	-	2.2	-	-
103.0	50.0	0.0	3.0	3.3	9.1	5.7	0.0	0.0	-	-	0.0	-	-
103.0	55.0	-	-	-	10.1	22.3	19.7	0.0	-	-	0.0	-	-
103.0	60.0	0.0	8.0	0.0	58.3	0.0	5.8	0.0	-	-	0.0	-	-
103.0	65.0	-	-	-	19.0	39.1	-	0.0	-	-	-	-	-
103.0	70.0	0.0	0.0	3.5	40.9	19.5	-	0.0	-	-	0.0	-	-
103.0	75.0	-	-	-	22.3	10.4	-	0.0	-	-	-	-	-
103.0	80.0	-	-	-	13.6	9.2	-	0.0	-	-	0.0	-	-
103.0	85.0	-	-	-	10.2	0.0	-	0.0	-	-	-	-	-
103.0	90.0	-	-	-	3.2	0.0	-	0.0	-	-	0.0	-	-
107.0	35.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	4.7	2.5	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	3.2	0.0	3.2	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	10.6	30.1	0.0	0.0	-	-	0.0	-	-
107.0	60.0	-	0.0	0.0	46.1	96.9	0.0	0.0	-	-	0.0	-	-
107.0	65.0	-	-	-	0.0	16.1	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	70.0	0.0	0.0	0.0	14.1	0.0	–	0.0	–	–	0.0	–	–
107.0	75.0	–	–	–	29.2	2.3	–	0.0	–	–	–	–	–
107.0	80.0	–	–	–	6.9	16.4	–	0.0	–	–	0.0	–	–
107.0	85.0	–	–	–	30.5	2.9	–	0.0	–	–	–	–	–
107.0	90.0	–	–	–	14.6	0.0	–	0.0	–	–	0.0	–	–
110.0	33.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	–	–
110.0	40.0	0.0	2.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	33.0	3.7	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	19.9	0.0	0.0	0.0	–	–	0.0	–	–
110.0	65.0	–	–	–	9.5	0.0	–	0.0	–	–	–	–	–
110.0	90.0	0.0	0.0	0.0	15.8	0.0	–	–	–	–	0.0	–	–
113.0	40.0	0.0	0.0	0.0	2.3	0.0	0.0	–	0.0	0.0	0.0	–	–
113.0	45.0	–	0.0	0.0	6.8	0.0	0.0	0.0	–	–	0.0	–	–
113.0	50.0	0.0	0.0	3.2	0.0	3.6	0.0	0.0	–	–	0.0	–	–
113.0	60.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	–	–	0.0	–	–
117.0	40.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.8	–	–
120.0	65.0	–	–	–	0.0	3.8	0.0	0.0	–	–	–	–	–

Coryphaena hippurus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	–	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	70.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–
143.0	26.0	2.0	0.0	0.0	–	–	–	–	–	–	4.1	–	–
143.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	5.3	–	–
147.0	20.0	6.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
153.0	40.0	2.2	–	–	–	–	–	–	–	–	0.0	–	–
157.0	20.0	3.8	–	–	–	–	–	–	–	–	–	–	–

Gerreidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	33.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	7.1	–	–

TABLE 4. (cont.)

Haemulidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	30.0	–	0.0	0.0	0.0	0.0	0.0	1.6	–	–	0.0	0.0	0.0
107.0	35.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	–	–	–	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	40.5	–	0.0	–	–
123.0	45.0	–	–	–	0.0	–	–	0.0	5.4	–	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–

Girella nigricans

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	0.0	0.0	0.0	1.2	0.0	0.0	–	–	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	0.0	0.0	0.0	0.0
118.5	35.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	–	–

Medialuna californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	85.0	–	–	–	–	3.2	0.0	0.0	–	–	–	–	–
107.0	55.0	–	–	–	0.0	3.3	0.0	0.0	–	–	0.0	–	–

Caulolatilus princeps

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	60.0	–	0.0	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
130.0	35.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Sciaenidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	0.0	–	–	2.9	0.0	0.0	0.0	–	–	0.0	–	–
77.0	60.0	23.3	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
80.0	51.0	111.8	31.5	6.1	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0
80.0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	0.0	0.0
82.0	47.0	0.0	132.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	40.0	–	172.8	1.6	32.2	1.2	0.0	0.0	–	–	0.0	0.0	0.0
83.0	43.0	0.0	129.5	3.0	11.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	51.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	3.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
87.0	35.0	94.8	8.1	3.5	0.0	0.0	0.0	0.0	–	–	3.0	0.0	0.0
87.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	60.0	–	0.0	0.0	0.0	10.4	0.0	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	–	0.0	3.3	41.6	0.0	6.1	0.0	–	0.7	0.0	0.0	0.0
90.0	30.0	–	0.0	0.0	37.2	0.0	0.0	0.0	–	0.0	0.0	0.0	–
93.0	27.0	0.0	488.0	20.6	0.0	0.0	11.0	0.0	–	0.0	0.0	0.0	0.0
93.0	30.0	30.3	6.9	24.4	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	35.0	–	3.1	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	45.0	–	0.0	0.0	–	0.0	3.4	0.0	–	0.0	0.0	–	–
93.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	0.0	0.0
93.0	55.0	–	–	–	0.0	0.0	6.0	0.0	–	0.0	0.0	–	–
93.0	60.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	30.9	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	32.0	–	24.9	0.0	0.0	0.0	–	6.8	–	–	0.0	0.0	0.0
97.0	35.0	–	–	–	0.0	0.0	0.0	3.1	–	–	0.0	0.0	0.0
97.0	40.0	–	1.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
100.0	30.0	0.0	17.7	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	32.0	0.0	6.4	0.0	–	–	–	–	–	–	–	–	–
103.0	30.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	–	–	–
107.0	32.0	2.4	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
110.0	33.0	0.0	2.8	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	35.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–
115.0	27.0	–	–	–	–	–	–	–	0.0	3.0	–	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	2.4	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	4.3	–	0.0	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	–	–
133.0	35.0	–	7.2	0.0	–	0.0	0.0	0.0	–	–	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	2.2	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–
140.0	30.0	0.0	2.9	0.0	–	–	–	–	–	–	0.0	–	–
147.0	20.0	11.9	0.0	0.0	–	–	–	–	–	–	8.2	–	–
147.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
147.0	30.0	3.2	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Serranidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.7	0.0	0.0	0.0
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	–	2.2	0.0	0.0	0.0
118.5	30.0	–	–	–	–	–	–	–	0.0	2.8	–	–	–

TABLE 4. (cont.)

Serranidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	2.6	25.6	–	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	–	–
123.0	45.0	–	–	–	0.0	–	–	0.0	13.5	–	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	–	–
133.0	35.0	–	0.0	0.0	–	0.0	0.0	0.0	–	–	2.8	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	120.5	10.4	11.1	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	4.8	–	–
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	4.1	–	–
147.0	20.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
147.0	40.0	0.0	3.2	0.0	–	–	–	–	–	–	0.0	–	–
150.0	19.0	0.0	2.5	0.0	–	–	–	–	–	–	8.1	–	–
150.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	25.8	–	–
150.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	5.4	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	5.6	–	–
150.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	5.1	–	–
153.0	25.0	–	–	–	–	–	–	–	–	–	5.3	–	–
157.0	20.0	7.6	–	–	–	–	–	–	–	–	–	–	–

Gempylidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.8	–	–
130.0	55.0	–	–	–	0.0	0.0	–	–	–	–	2.8	–	–
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
143.0	50.0	0.0	–	–	–	–	–	–	–	–	4.7	–	–
143.0	55.0	–	–	–	–	–	–	–	–	–	2.8	–	–
147.0	50.0	–	–	–	–	–	–	–	–	–	2.6	–	–

Scombridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–
140.0	35.0	0.0	6.0	0.0	–	–	–	–	–	–	0.0	–	–
140.0	40.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Auxis spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	–	–

Sarda chiliensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	45.0	–	–	–	0.0	0.0	2.7	0.0	–	–	0.0	–	–

Scomber japonicus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	–	–	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	0.0	8.1	0.0	6.3	–	–	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
87.0	35.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	50.0	–	–	0.0	0.0	0.0	0.0	12.8	–	–	0.0	0.0	0.0
87.0	55.0	–	0.0	0.0	0.0	0.0	0.0	4.7	–	–	0.0	–	0.0
87.0	80.0	–	0.0	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	–
87.0	90.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–
90.0	28.0	–	0.0	0.0	0.0	23.0	6.1	0.0	–	0.0	0.0	0.0	0.0
90.0	30.0	–	0.0	0.0	3.1	21.1	9.5	0.0	–	0.0	0.0	0.0	–
90.0	37.0	–	–	0.0	0.0	3.1	0.0	24.7	–	0.0	0.0	0.0	0.0
90.0	50.0	–	0.0	0.0	–	0.0	27.7	6.5	–	0.0	0.0	0.0	0.0
93.0	27.0	0.0	0.0	0.0	0.0	14.5	0.0	17.8	–	0.0	0.0	0.0	0.0
93.0	35.0	–	0.0	0.0	0.0	3.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	–	0.0	0.0	0.0	0.0
93.0	55.0	–	–	–	0.0	0.0	60.2	29.9	–	0.0	0.0	–	–
93.0	60.0	0.0	0.0	0.0	0.0	0.0	6.5	9.0	–	0.0	0.0	0.0	0.0
97.0	32.0	–	0.0	0.0	3.1	2.9	–	0.0	–	–	0.0	0.0	0.0
97.0	35.0	–	–	–	8.7	2.9	0.0	0.0	–	–	0.0	0.0	0.0
97.0	40.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	0.0	0.0
97.0	45.0	–	0.0	0.0	62.6	0.0	0.0	0.0	–	–	0.0	–	–
97.0	50.0	–	0.0	0.0	35.5	0.0	0.0	0.0	–	–	0.0	0.0	0.0
100.0	30.0	0.0	0.0	0.0	3.0	5.1	–	0.0	–	–	0.0	0.0	0.0
100.0	35.0	–	–	–	0.0	5.3	–	0.0	–	–	0.0	0.0	0.0
100.0	100.0	–	–	–	2.4	–	–	–	–	–	–	–	–
103.0	30.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	50.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	–	–	0.0	–	–
107.0	32.0	0.0	0.0	86.5	0.0	–	0.0	0.0	–	–	0.0	–	–
107.0	35.0	0.0	0.0	61.1	0.0	0.0	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	14.1	0.0	0.0	0.0	-	-	0.0	-	-
110.0	33.0	0.0	0.0	39.4	0.0	0.0	0.0	0.0	0.0	9.1	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-
113.0	45.0	-	0.0	0.0	0.0	0.0	2.1	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	58.5	0.0	0.0	0.0	-	-	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	-	-
117.0	35.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.6	-	-
118.5	30.0	-	-	-	-	-	-	-	0.0	2.8	-	-	-
119.0	33.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	-	-
120.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.5	2.4	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-
120.0	40.0	-	0.0	4.3	4.7	0.0	0.0	0.0	74.6	-	0.0	-	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-	-	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
123.0	55.0	-	-	-	0.0	0.0	14.0	0.0	-	-	0.0	-	-
130.0	30.0	2.8	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-
133.0	30.0	2.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	23.0	0.0	39.4	0.0	0.0	0.0	1.9	0.0	0.0	10.4	0.0	-	-
140.0	30.0	5.5	0.0	0.0	-	-	-	-	-	-	0.0	-	-
140.0	35.0	0.0	3.0	0.0	-	-	-	-	-	-	0.0	-	-
147.0	20.0	157.9	0.0	0.0	-	-	-	-	-	-	0.0	-	-
147.0	25.0	0.0	4.8	0.0	-	-	-	-	-	-	0.0	-	-
150.0	25.0	118.7	0.0	0.0	-	-	-	-	-	-	0.0	-	-
150.0	40.0	0.0	2.9	0.0	-	-	-	-	-	-	0.0	-	-

Scomberomorus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-

Thunnus albacares

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	-
140.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	11.9	-	-
140.0	35.0	0.0	0.0	0.0	-	-	-	-	-	-	5.4	-	-
140.0	50.0	0.0	0.0	0.0	-	-	-	-	-	-	5.0	-	-

TABLE 4. (cont.)

Thunnus albacares (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	6.1	–	–
147.0	20.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
150.0	35.0	–	–	–	–	–	–	–	–	–	2.8	–	–

Trichiuridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	50.0	0.0	2.4	0.0	–	0.0	0.0	2.8	–	–	–	0.0	0.0
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	–
107.0	45.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
107.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.7	–	–
107.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	–
110.0	45.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	7.2	–	–
110.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.5	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	2.2	–	–
113.0	60.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	–	–	0.0	–	–
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.5	–	–
120.0	50.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
123.0	50.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	–	–
140.0	35.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	5.5	–	–
143.0	40.0	0.0	0.0	3.0	–	–	–	–	–	–	0.0	–	–

Sphyraena argentea

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	–	0.0	0.0	0.0	0.0	12.2	0.0	–	0.7	0.0	0.0	0.0
90.0	30.0	–	0.0	0.0	0.0	0.0	12.6	0.0	–	0.0	0.0	0.0	–
90.0	37.0	–	–	0.0	0.0	0.0	0.0	9.3	–	0.0	0.0	0.0	0.0
93.0	30.0	0.0	0.0	0.0	0.0	0.0	3.1	2.7	–	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	0.0	0.0	0.0	0.0
93.0	70.0	2.6	–	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	32.0	–	0.0	0.0	0.0	0.0	–	10.2	–	–	0.0	0.0	0.0
97.0	35.0	–	–	–	0.0	0.0	0.0	3.1	–	–	0.0	0.0	0.0
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–	0.0	–	–
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	2.9	–	–	0.0	–	–

TABLE 4. (cont.)

Sphyraena argentea (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	–	–

Icichthys lockingtoni

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	–	–	–	–	–	–	5.1	–	–	–	–	–
40.0	50.0	–	–	–	–	–	–	18.1	–	–	–	–	–
40.0	55.0	–	–	–	–	–	–	12.0	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	2.8	–	–	–	–	–
43.0	50.0	–	–	–	–	–	–	9.1	–	–	–	–	–
43.0	90.0	–	–	–	–	–	–	2.9	–	–	–	–	–
47.0	50.0	–	–	17.9	–	–	–	6.4	–	–	–	–	–
47.0	55.0	–	–	12.0	–	–	–	0.0	–	–	–	–	–
50.0	70.0	–	–	–	–	–	–	9.7	–	–	–	–	–
53.0	55.0	–	–	–	–	–	6.5	0.0	–	–	–	–	–
53.0	60.0	–	–	–	–	–	0.0	13.4	–	–	–	–	–
57.0	55.0	–	–	–	–	–	0.0	3.5	–	–	–	–	–
60.0	55.0	0.0	–	–	0.0	0.0	2.8	0.0	–	–	–	0.0	–
60.0	60.0	–	–	–	0.0	0.0	0.0	3.1	–	–	–	0.0	–
60.0	65.0	–	–	–	0.0	–	–	6.1	–	–	–	–	–
60.0	70.0	–	–	–	0.0	0.0	3.1	0.0	–	–	–	3.2	–
60.0	80.0	–	–	–	3.1	0.0	2.9	0.0	–	–	–	0.0	–
63.0	52.0	0.0	–	–	0.0	0.0	0.0	2.8	–	–	0.0	–	–
63.0	60.0	0.0	–	–	–	0.0	2.9	0.0	–	–	0.0	–	–
67.0	55.0	5.1	–	–	3.5	0.0	0.0	0.0	–	–	0.0	–	–
67.0	60.0	0.0	–	–	0.0	0.0	3.0	0.0	–	–	0.0	–	–
67.0	70.0	–	–	–	0.0	8.3	0.0	0.0	–	–	0.0	–	–
67.0	100.0	–	–	–	–	–	–	0.0	–	–	–	2.7	–
70.0	55.0	–	–	–	5.6	6.0	3.1	0.0	–	–	0.0	–	–
70.0	60.0	–	–	0.0	0.0	3.4	0.0	0.0	–	–	0.0	–	–
70.0	65.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
70.0	70.0	0.0	–	6.7	0.0	7.4	0.0	0.0	–	–	0.0	–	–
70.0	80.0	0.0	–	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0	85.0	–	–	–	0.0	–	–	3.0	–	–	–	–	–
70.0	90.0	2.7	–	0.0	0.0	2.6	0.0	0.0	–	–	–	0.0	–
73.0	51.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.0	–	–
73.0	55.0	7.6	–	0.0	0.0	3.2	0.0	0.0	–	–	0.0	–	–
73.0	60.0	10.7	–	–	0.0	0.0	8.6	0.0	–	–	0.0	–	–
73.0	70.0	–	–	–	0.0	3.0	0.0	0.0	–	–	0.0	–	–
73.0	80.0	–	–	–	0.0	0.0	0.0	3.0	–	–	0.0	–	–
77.0	50.0	–	–	–	0.0	3.0	0.0	0.0	–	–	0.0	–	–
77.0	55.0	6.2	0.0	–	0.0	2.7	0.0	0.0	–	–	0.0	–	–
77.0	60.0	5.8	0.0	–	0.0	4.9	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	70.0	–	–	–	0.0	6.1	0.0	0.0	–	–	0.0	–	–
80.0	55.0	0.0	0.0	0.0	0.0	3.1	2.9	0.0	–	–	0.0	0.0	0.0
80.0	60.0	0.0	3.0	2.9	0.0	4.3	0.0	0.0	–	–	0.0	0.0	0.0
80.0	70.0	9.1	11.4	0.0	0.0	0.0	0.0	0.0	–	–	6.4	–	0.0
80.0	90.0	–	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
83.0	60.0	0.0	–	0.0	0.0	12.4	0.0	0.0	–	–	0.0	0.0	0.0
83.0	65.0	–	–	–	0.0	7.8	0.0	0.0	–	–	–	–	–
83.0	70.0	6.1	–	0.0	3.3	3.0	0.0	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	0.0	2.5	0.0	0.0	–	–	–	–	–
87.0	60.0	–	0.0	0.0	0.0	3.5	0.0	0.0	–	–	0.0	0.0	0.0
87.0	65.0	–	–	–	0.0	7.7	0.0	0.0	–	–	–	–	–
90.0	50.0	–	0.0	0.0	–	0.0	3.1	0.0	–	0.0	0.0	0.0	0.0
90.0	60.0	–	3.2	3.3	0.0	6.1	0.0	0.0	–	0.0	0.0	0.0	0.0
90.0	70.0	–	2.6	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0	2.5
90.0	80.0	–	1.3	0.0	–	0.0	0.0	0.0	–	–	0.0	0.0	0.0
93.0	55.0	–	–	–	0.0	2.7	0.0	0.0	–	0.0	0.0	–	–
97.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	2.7
97.0	70.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
100.0	80.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Nomeidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	20.0	6.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–
153.0	70.0	–	–	–	–	–	–	–	–	–	2.8	–	–

Peprilus simillimus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	1.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	0.0	3.3	0.0	3.2	–	–	0.0	0.0	0.0
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	0.0	0.0
90.0	28.0	–	0.0	0.0	0.0	2.9	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	27.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	0.0	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	32.0	–	1.3	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
103.0	30.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	–
118.0	39.0	0.0	3.5	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
119.0	33.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	25.0	–	0.0	16.9	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–
120.0	30.0	–	0.0	8.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	35.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	40.0	–	1.3	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–

TABLE 4. (cont.)

Peprilus simillimus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	45.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	–	–
140.0	35.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	20.0	3.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Tetragonurus cuvieri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	–
80.0	110.0	–	–	–	2.9	–	–	–	–	–	–	–	–
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.5	0.0	0.0
83.0	60.0	0.0	–	0.0	0.0	0.0	2.8	0.0	–	–	0.0	0.0	0.0
90.0	80.0	–	1.3	0.0	–	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	90.0	–	1.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
93.0	80.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	50.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.3	0.0
100.0	50.0	0.0	2.4	0.0	–	0.0	0.0	0.0	–	–	–	0.0	0.0
103.0	60.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	0.0	0.0	10.0	0.0	0.0	–	–	0.0	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–
113.0	55.0	–	–	–	0.0	0.0	0.0	0.0	–	–	5.9	–	–
120.0	70.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
140.0	30.0	5.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Chiasmodontidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	130.0	–	–	–	3.2	–	–	–	–	–	–	–	–
93.0	65.0	–	–	–	3.0	0.0	0.0	0.0	–	0.0	–	–	–
97.0	50.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.3	0.0
97.0	65.0	–	–	–	0.0	3.2	0.0	0.0	–	–	–	–	–
97.0	75.0	–	–	–	0.0	0.0	3.0	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	3.4	7.4	0.0	0.0	–	–	0.0	–	–
103.0	60.0	3.0	0.0	0.0	0.0	8.1	0.0	0.0	–	–	0.0	–	–
103.0	70.0	3.3	0.0	0.0	0.0	0.0	–	0.0	–	–	0.0	–	–
103.0	80.0	–	–	–	0.0	0.0	–	2.6	–	–	0.0	–	–
107.0	55.0	–	–	–	0.0	3.3	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Chiasmodontidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	60.0	-	0.0	0.0	7.1	10.0	0.0	0.0	-	-	0.0	-	-
107.0	65.0	-	-	-	3.5	9.7	-	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	6.1	-	0.0	-	-	0.0	-	-
107.0	80.0	-	-	-	0.0	2.7	-	0.0	-	-	0.0	-	-
110.0	35.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	50.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.3	-	-
110.0	60.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	-	-	0.0	-	-
110.0	70.0	0.0	0.0	0.0	3.3	3.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	50.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
117.0	50.0	0.0	0.0	6.3	2.9	0.0	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	0.0	22.3	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	5.9	9.5	0.0	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	3.4	0.0	-	0.0	-	-	-	-	-
120.0	45.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	2.8	-	-
120.0	70.0	0.0	0.0	0.0	0.0	3.5	0.0	3.3	-	-	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	4.1	0.0	0.0	-	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	60.0	3.2	0.0	0.0	0.0	7.3	0.0	0.0	-	-	0.0	-	-
123.0	70.0	0.0	-	-	0.0	-	-	0.0	-	-	3.3	-	-
127.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	-	-	0.0	0.0	-	0.0	-	-	2.9	-	-
127.0	60.0	0.0	0.0	0.0	9.3	0.0	-	0.0	-	-	-	-	-
130.0	45.0	-	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	2.9	0.0	-	-	-	-	0.0	-	-
133.0	40.0	0.0	0.0	3.3	0.0	3.2	0.0	0.0	-	-	0.0	-	-
133.0	50.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	-	-	0.0	-	-
137.0	35.0	0.0	0.0	0.0	2.8	5.9	0.0	0.0	-	-	0.0	-	-
137.0	55.0	-	-	-	0.0	-	-	0.0	-	-	2.7	-	-
157.0	30.0	4.8	-	-	-	-	-	-	-	-	-	-	-
157.0	40.0	3.0	-	-	-	-	-	-	-	-	-	-	-

Uranoscopidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	60.0	8.2	-	-	-	-	-	-	-	-	0.0	-	-

TABLE 4. (cont.)

Pleuronectiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	0.0	–	–	0.0	3.2	0.0	0.0	–	–	0.0	–	–
63.0	55.0	–	–	–	–	5.4	–	0.0	–	–	0.0	–	–
70.0	52.0	–	–	0.0	0.0	2.6	0.0	0.0	–	–	–	–	–
77.0	75.0	–	–	–	3.0	–	–	0.0	–	–	–	–	–
80.0	51.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
100.0	40.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
120.0	30.0	–	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	–	–
143.0	26.0	0.0	2.2	0.0	–	–	–	–	–	–	0.0	–	–
150.0	25.0	3.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–

Bothus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.4	–	–
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
143.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	2.6	–	–
143.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	5.3	–	–
147.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
150.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
157.0	20.0	3.8	–	–	–	–	–	–	–	–	–	–	–

Citharichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	50.0	–	–	–	0.0	0.0	0.0	0.0	–	–	1.9	–	–
70.0	70.0	5.3	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0	80.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
73.0	60.0	2.7	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
80.0	51.0	2.4	2.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	2.4
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	7.3
83.0	40.0	–	1.6	0.0	0.0	0.0	0.0	1.4	–	–	0.0	0.0	0.0
83.0	43.0	2.3	3.5	0.0	0.0	1.6	0.0	3.2	–	–	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	–	–	0.0	2.8	0.0
87.0	50.0	–	–	0.0	0.0	0.0	0.0	5.1	–	–	0.0	0.0	2.7
87.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.9	0.0
90.0	28.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	0.0	0.0
90.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	0.9	0.0	0.0	–
90.0	50.0	–	5.5	0.0	–	0.0	0.0	3.3	–	0.0	0.0	0.0	0.0
93.0	27.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	30.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	35.0	–	0.0	0.0	9.1	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	40.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
97.0	30.0	-	1.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	5.2	0.0	6.1	0.0	-	0.0	-	-	2.4	0.0	0.0
97.0	50.0	-	0.0	0.0	2.7	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	29.0	-	-	-	0.0	0.0	0.0	-	-	-	12.0	0.0	0.0
100.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	2.5	0.0	0.0
100.0	32.0	9.0	0.0	0.0	-	-	-	-	-	-	-	-	-
103.0	30.0	0.0	7.1	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
103.0	32.0	-	-	-	-	-	-	-	-	-	2.4	-	-
107.0	32.0	2.4	0.0	3.1	0.0	-	0.0	0.0	-	-	3.9	-	-
107.0	35.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	-	-	-	-	-
107.0	45.0	-	-	0.0	0.0	3.2	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	2.9	0.0	0.0	7.2	0.0	0.0	-	-	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	-	-
110.0	35.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	-	-
110.0	45.0	-	-	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	3.0	15.0	0.0	0.0	-	-	0.0	-	-
110.0	80.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	-	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	2.6	0.0	-	-
113.0	35.0	0.0	0.0	0.0	2.9	0.0	0.0	3.3	0.0	7.2	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.1	0.0	0.0	-	-
117.0	26.0	6.3	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-
117.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
118.0	39.0	0.0	348.0	0.0	0.0	0.0	0.0	0.0	-	-	2.6	-	-
118.5	25.0	-	-	-	-	-	-	-	6.1	12.2	-	-	-
118.5	30.0	-	-	-	-	-	-	-	3.1	8.5	-	-	-
118.5	35.0	-	-	-	-	-	-	-	20.6	5.3	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	13.6	24.3	0.0	-	-
120.0	25.0	-	0.0	0.0	0.0	0.0	0.0	2.5	26.7	-	17.5	-	-
120.0	30.0	-	0.0	209.5	0.0	0.0	0.0	0.0	9.4	35.3	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	36.4	14.9	21.9	2.0	-	-
120.0	40.0	-	0.0	0.0	0.0	0.0	73.3	0.0	70.3	-	0.0	-	-
120.0	45.0	3.0	0.0	0.0	0.0	0.0	14.0	0.0	3.4	0.0	3.0	-	-
120.0	50.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	0.0	8.6	0.0	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	9.3	0.0	0.0	0.0	-	-	-	-	-
120.0	80.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	-	-	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
123.0	42.0	0.0	10.3	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	0.0	-	-	3.2	0.0	-	0.0	-	-
123.0	50.0	0.0	5.9	9.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	34.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	0.0	52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	50.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	60.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-
133.0	30.0	5.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	40.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-	0.0	-	-
137.0	23.0	1.7	3.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	55.0	-	-	-	3.1	-	-	0.0	-	-	0.0	-	-
140.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	2.4	-	-
140.0	35.0	0.0	6.0	0.0	-	-	-	-	-	-	0.0	-	-
143.0	26.0	0.0	2.2	0.0	-	-	-	-	-	-	0.0	-	-
147.0	20.0	3.0	0.0	0.0	-	-	-	-	-	-	0.0	-	-

Citharichthys fragilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	32.0	0.0	0.0	0.0	4.5	-	0.0	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.7	-	-
110.0	33.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-
110.0	45.0	-	-	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	-
110.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	0.0	-	-
110.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	30.0	15.7	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	9.6	-	-
113.0	35.0	28.1	0.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	0.0	0.0	-	-
113.0	50.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	2.6	0.0	-	-	-
117.0	26.0	9.4	0.0	53.5	58.5	6.3	22.8	2.8	3.0	0.0	0.0	-	-
117.0	30.0	7.6	5.0	2.7	71.2	0.0	15.8	0.0	3.0	3.0	2.1	-	-
117.0	35.0	84.7	22.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
117.0	40.0	15.1	16.1	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
118.0	39.0	0.0	0.0	74.1	0.0	3.8	5.1	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	51.8	-	-	-
118.5	35.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
119.0	33.0	41.2	149.3	20.1	33.6	13.8	3.1	0.0	0.0	0.0	0.0	-	-
120.0	25.0	-	320.1	90.9	159.1	0.0	13.4	17.5	0.0	-	10.0	-	-
120.0	30.0	-	55.4	0.0	219.5	18.3	2.5	14.4	21.9	0.0	2.4	-	-
120.0	35.0	21.0	256.8	51.3	0.0	15.3	0.0	0.0	23.8	0.0	0.0	-	-
120.0	40.0	-	9.4	2.2	0.0	0.0	0.0	5.2	0.0	-	0.0	-	-
120.0	45.0	0.0	0.0	227.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	77.7	0.0	0.0	0.0	6.2	-	-	0.0	-	-
120.0	55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	0.0	20.2	0.0	0.0	0.0	-	-	-	0.0	-	-

TABLE 4. (cont.)

Citharichthys fragilis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	70.0	0.0	0.0	3.1	228.7	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	18.6	19.0	22.0	2.6	0.0	0.0	0.0	0.0	0.0	–	–
123.0	42.0	0.0	0.0	3.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	50.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	0.0	39.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	45.0	–	2.7	6.0	–	0.0	–	0.0	0.0	0.0	0.0	–	–
127.0	50.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	–	–	0.0	–	–
130.0	40.0	0.0	0.0	0.0	2.8	0.0	3.7	0.0	0.0	0.0	0.0	–	–
130.0	45.0	–	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	29.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	11.5	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
140.0	30.0	2.7	0.0	3.8	–	–	–	–	–	–	0.0	–	–
147.0	25.0	0.0	2.4	0.0	–	–	–	–	–	–	0.0	–	–

Citharichthys sordidus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	55.0	–	–	–	–	–	–	3.0	–	–	–	–	–
40.0	60.0	–	–	–	–	–	–	3.9	–	–	–	–	–
43.0	42.0	–	–	–	–	–	–	2.5	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	11.1	–	–	–	–	–
43.0	60.0	–	–	–	–	–	–	2.7	–	–	–	–	–
50.0	55.0	–	–	–	–	–	2.9	–	–	–	–	–	–
50.0	60.0	–	–	–	–	–	2.4	–	–	–	–	–	–
50.0	70.0	–	–	–	–	–	–	12.9	–	–	–	–	–
53.0	55.0	–	–	–	–	–	0.0	3.1	–	–	–	–	–
60.0	60.0	–	–	–	0.0	0.0	0.0	6.1	–	–	–	0.0	–
60.0	65.0	–	–	–	0.0	–	–	3.1	–	–	–	–	–
60.0	70.0	–	–	–	0.0	0.0	0.0	2.8	–	–	–	6.4	–
60.0	80.0	–	–	–	0.0	2.7	0.0	0.0	–	–	–	0.0	–
63.0	65.0	–	–	–	–	–	–	3.1	–	–	–	–	–
67.0	55.0	5.1	–	–	3.5	0.0	0.0	0.0	–	–	0.0	–	–
67.0	60.0	0.0	–	–	0.0	3.1	3.0	0.0	–	–	2.9	–	–
70.0	52.0	–	–	0.0	2.7	0.0	0.0	0.0	–	–	–	–	–
70.0	65.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
70.0	70.0	0.0	–	6.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
70.0	75.0	–	–	–	3.2	–	–	0.0	–	–	–	–	–
70.0	80.0	3.7	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
73.0	51.0	–	–	–	0.0	2.6	0.0	0.0	–	–	0.0	–	–
73.0	55.0	2.5	–	0.0	2.8	0.0	2.8	0.0	–	–	0.0	–	–
73.0	60.0	0.0	–	–	0.0	0.0	0.0	0.0	–	–	2.6	–	–
73.0	70.0	–	–	–	0.0	3.0	0.0	0.0	–	–	0.0	–	–
73.0	90.0	–	–	0.0	0.0	0.0	0.0	–	–	–	–	5.9	–
77.0	55.0	9.2	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Citharichthys sordidus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	90.0	-	-	3.2	0.0	0.0	0.0	0.0	-	-	-	0.0	-
80.0	51.0	9.7	6.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.8	0.0
82.0	47.0	2.6	12.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	0.0	0.0
83.0	51.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	60.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	2.8	2.9	5.4
87.0	35.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	-	-	0.0	16.4	0.0
87.0	40.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.0	0.0
87.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	0.0	0.0
87.0	50.0	-	-	3.2	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	50.0	-	0.0	0.0	-	0.0	3.1	0.0	-	0.0	0.0	0.0	0.0
93.0	27.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	30.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
97.0	30.0	-	0.0	2.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-	4.9	0.0	0.0
97.0	35.0	-	-	-	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	0.0	0.0	6.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	3.3	3.2	0.0	-	-	-	0.0	0.0	0.0
100.0	35.0	-	-	-	0.0	5.3	-	0.0	-	-	0.0	0.0	0.0
100.0	40.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	-	-	0.0	0.0	0.0
103.0	30.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	35.0	0.0	0.0	30.6	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.7	0.0	0.0	-	-
120.0	25.0	-	6.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-

Citharichthys stigmaeus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	65.0	-	-	-	4.3	-	-	0.0	-	-	-	-	-
63.0	70.0	-	-	-	-	0.0	0.0	3.5	-	-	0.0	-	-
67.0	60.0	0.0	-	-	3.7	0.0	0.0	0.0	-	-	0.0	-	-
67.0	65.0	-	-	-	0.0	-	-	0.0	-	-	2.9	-	-
67.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	6.3	-	-
70.0	52.0	-	-	0.0	2.7	0.0	0.0	0.0	-	-	-	-	-
70.0	55.0	-	-	-	0.0	3.0	0.0	0.0	-	-	5.9	-	-
70.0	70.0	0.0	-	13.5	6.6	0.0	0.0	0.0	-	-	11.9	-	-
70.0	80.0	3.7	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0	90.0	0.0	-	0.0	0.0	2.6	0.0	0.0	-	-	-	0.0	-
73.0	51.0	-	-	-	0.0	0.0	0.0	0.0	-	-	5.9	-	-
73.0	55.0	12.7	-	6.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
73.0	60.0	5.3	-	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
73.0	65.0	-	-	-	3.3	-	-	0.0	-	-	2.8	-	-

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	-	-	-	3.2	0.0	0.0	0.0	-	-	3.3	-	-
77.0	55.0	40.0	0.0	-	0.0	2.7	0.0	0.0	-	-	3.3	-	-
77.0	60.0	26.2	3.4	-	3.2	0.0	0.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	0.0	-	-	2.5	-	-	-	-	-
77.0	70.0	-	-	-	2.8	0.0	2.9	0.0	-	-	0.0	-	-
80.0	51.0	7.3	6.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.6	2.4
80.0	55.0	0.0	50.7	3.1	0.0	3.1	0.0	6.5	-	-	0.0	2.8	7.3
80.0	60.0	0.0	0.0	5.7	9.3	0.0	0.0	0.0	-	-	0.0	2.8	2.7
80.0	65.0	-	-	-	6.5	-	-	0.0	-	-	-	-	-
80.0	70.0	12.1	17.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	80.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
82.0	47.0	7.8	3.0	0.0	3.0	0.0	0.0	0.0	-	-	5.5	0.0	0.0
83.0	40.0	-	0.0	0.0	0.0	1.2	0.0	0.0	-	-	0.0	0.0	0.0
83.0	43.0	0.0	0.0	24.1	8.3	0.0	3.2	9.5	-	-	11.5	0.0	0.0
83.0	51.0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	2.8	0.0
83.0	55.0	0.0	-	3.0	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
83.0	60.0	0.0	-	7.2	3.3	0.0	0.0	0.0	-	-	0.0	2.9	2.7
83.0	70.0	3.0	-	0.0	0.0	6.1	0.0	0.0	-	-	0.0	-	-
87.0	35.0	2.4	8.1	0.0	6.8	0.0	0.0	3.0	-	-	0.0	11.7	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-	0.0	0.0	2.7
87.0	45.0	0.0	2.9	3.9	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	55.0	-	0.0	0.0	2.9	0.0	0.0	2.3	-	-	0.0	-	0.0
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.9
87.0	75.0	-	-	-	0.0	2.9	0.0	0.0	-	-	-	-	-
90.0	28.0	-	2.8	6.5	0.0	0.0	0.0	2.3	-	6.4	0.0	2.5	0.0
90.0	30.0	-	0.0	3.6	0.0	0.0	3.2	0.0	-	1.7	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	0.0	0.0	3.1	-	0.0	0.0	0.0	0.0
90.0	50.0	-	0.0	0.0	-	0.0	0.0	3.3	-	0.0	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	3.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	70.0	-	0.0	0.0	0.0	2.7	0.0	-	-	0.0	0.0	0.0	0.0
90.0	75.0	-	-	-	0.0	0.0	2.7	0.0	-	-	-	-	-
93.0	27.0	0.0	9.8	0.0	0.0	2.4	0.0	7.1	-	1.5	0.0	0.0	0.0
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	0.0	2.3	0.0
93.0	35.0	-	0.0	0.0	0.0	0.0	3.9	0.0	-	2.9	0.0	0.0	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
93.0	55.0	-	-	-	0.0	2.7	6.0	0.0	-	0.0	0.0	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	3.2	9.0	-	0.0	0.0	0.0	0.0
93.0	70.0	0.0	-	0.0	0.0	2.9	0.0	0.0	-	0.0	0.0	0.0	0.0
97.0	30.0	-	3.6	0.0	0.0	0.0	0.0	0.0	-	-	6.7	0.0	0.0
97.0	32.0	-	0.0	0.0	3.1	0.0	-	0.0	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	0.0	6.2	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	0.0	0.0	9.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	0.0	0.0	0.0	3.0	-	-	0.0	-	-
97.0	60.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	29.0	-	-	-	0.0	6.3	0.0	-	-	-	0.0	0.0	0.0
100.0	30.0	15.3	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	32.0	72.2	0.0	3.5	–	–	–	–	–	–	–	–	–
100.0	35.0	–	–	–	0.0	2.6	–	0.0	–	–	0.0	0.0	0.0
100.0	40.0	10.1	0.0	0.0	0.0	5.3	0.0	0.0	–	–	0.0	0.0	0.0
103.0	35.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	–
103.0	50.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	32.0	4.8	0.0	0.0	0.0	–	0.0	5.7	–	–	0.0	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–
110.0	45.0	–	–	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	–	–
117.0	26.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Citharichthys xanthostigma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	65.0	–	–	–	2.0	0.0	0.0	0.0	–	0.0	–	–	–
93.0	27.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	32.0	–	0.0	0.0	0.0	5.7	–	0.0	–	–	0.0	0.0	0.0
97.0	40.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	0.0	0.0
100.0	30.0	0.0	0.0	0.0	0.0	2.5	–	0.0	–	–	0.0	0.0	0.0
107.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	–	–	0.0	–	–
107.0	65.0	–	–	–	3.5	0.0	–	0.0	–	–	–	–	–
110.0	33.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	50.0	0.0	0.0	0.0	17.3	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	0.0	0.0	3.1	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	70.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	2.2	–	–
113.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	7.8	–	–
113.0	50.0	0.0	2.7	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	–
117.0	26.0	6.3	0.0	0.0	9.0	0.0	4.6	0.0	0.0	0.0	0.0	–	–
117.0	30.0	1.5	2.5	0.0	0.0	16.6	0.0	0.0	0.0	0.0	2.1	–	–
117.0	35.0	40.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
117.0	40.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	50.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
118.0	39.0	6.4	0.0	54.1	0.0	0.0	0.0	0.0	–	–	0.0	–	–
118.5	35.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
119.0	33.0	0.0	0.0	2.5	4.8	0.0	0.0	0.0	0.0	0.0	6.2	–	–
120.0	25.0	–	0.0	1.5	0.0	0.0	3.0	0.0	0.0	–	0.0	–	–
120.0	30.0	–	0.0	0.0	52.1	4.6	0.0	0.0	0.0	0.0	2.4	–	–
120.0	35.0	0.0	0.0	19.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Citharichthys xanthostigma (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	40.0	–	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–
120.0	45.0	0.0	0.0	115.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	53.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	70.0	0.0	0.0	0.0	29.7	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9	–	–
123.0	42.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	50.0	0.0	0.0	47.9	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	60.0	3.2	0.0	5.4	3.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	9.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	40.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	3.4	–	–
127.0	45.0	–	0.0	17.9	–	0.0	–	0.0	0.0	0.0	3.0	–	–
130.0	35.0	0.0	0.0	3.3	0.0	3.8	0.0	0.0	0.0	0.0	2.8	–	–
130.0	45.0	–	0.0	6.9	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–
133.0	25.0	0.0	5.3	16.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	2.5	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–
133.0	35.0	–	0.0	0.0	–	3.4	0.0	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	0.0	0.0	0.0	2.7	–	–	0.0	–	–
133.0	50.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	30.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–
137.0	35.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	–
140.0	30.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	40.0	0.0	0.0	3.0	–	–	–	–	–	–	0.0	–	–

Etropus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.6	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	1.9	0.0	0.0	–	0.0	–	–
127.0	34.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	45.0	–	0.0	0.0	–	0.0	–	0.0	0.0	0.0	3.0	–	–
133.0	25.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–
137.0	23.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	6.7	–	–
137.0	30.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
140.0	30.0	0.0	5.8	0.0	–	–	–	–	–	–	0.0	–	–
143.0	26.0	0.0	0.0	3.8	–	–	–	–	–	–	2.0	–	–
147.0	20.0	3.0	0.0	0.0	–	–	–	–	–	–	0.0	–	–
147.0	30.0	0.0	0.0	3.1	–	–	–	–	–	–	0.0	–	–

Hippoglossina stomata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	1.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	45.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	0.0	0.0
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	2.1	0.0	0.0	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–
115.0	27.0	–	–	–	–	–	–	–	0.0	3.0	–	–	–
117.0	26.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	35.0	2.9	0.0	0.0	0.0	0.0	0.0	2.8	0.0	3.1	0.0	–	–
118.5	35.0	–	–	–	–	–	–	–	5.9	0.0	–	–	–
119.0	33.0	0.0	0.0	0.0	2.4	0.0	3.1	0.0	3.4	0.0	0.0	–	–
120.0	25.0	–	0.0	0.0	4.7	0.0	1.5	0.0	0.0	–	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.9	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	3.9	0.0	2.1	–	0.0	–	–
120.0	50.0	3.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	0.0	0.0	0.0	3.7	0.0	–	–	–	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	–	–
123.0	42.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	34.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	–	–
140.0	30.0	0.0	2.9	0.0	–	–	–	–	–	–	0.0	–	–

Paralichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	37.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Paralichthys californicus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	55.0	0.0	0.0	–	0.0	0.0	2.7	0.0	–	–	0.0	–	–
80.0	51.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0	55.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
82.0	47.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	40.0	–	13.0	0.0	0.0	1.2	0.0	2.7	–	–	0.0	0.0	0.0
83.0	43.0	2.3	0.0	9.0	2.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	51.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	35.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	0.0	0.0
87.0	40.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	28.0	–	0.0	6.5	0.0	0.0	0.0	0.0	–	2.8	0.0	0.0	0.0
90.0	30.0	–	0.0	3.6	15.5	0.0	0.0	0.0	–	0.0	0.0	0.0	–

TABLE 4. (cont.)

Paralichthys californicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	3.0	48.8	0.0	0.0	0.0	0.0	3.5	–	0.0	0.0	0.0	0.0
93.0	30.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	23.9	0.0	0.0	0.0	0.0	0.0	–	–	3.4	0.0	0.0
97.0	32.0	–	3.9	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	30.0	2.5	14.8	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	32.0	21.1	3.2	0.0	–	–	–	–	–	–	–	–	–
103.0	30.0	5.4	0.0	0.0	0.0	0.0	2.7	0.0	–	–	–	–	–
107.0	32.0	0.0	0.0	3.1	0.0	–	0.0	0.0	–	–	0.0	–	–
110.0	33.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	35.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	0.0	0.0	0.0	6.5	0.0	–	–	0.0	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	–	–
120.0	25.0	–	0.0	43.1	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–
120.0	40.0	–	0.0	0.0	0.0	8.7	11.6	0.0	2.1	–	0.0	–	–
123.0	42.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Syacium ovale

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.4	–	–
140.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	2.0	–	–
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	2.8	–	–
150.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	2.5	–	–
153.0	16.0	0.0	–	–	–	–	–	–	–	–	9.0	–	–
153.0	20.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–

Xystreurys liolepis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
115.0	40.0	–	–	–	–	–	–	–	0.0	3.2	–	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	2.1	–	0.0	–	–

Glyptocephalus zachirus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	50.0	–	–	–	–	–	–	3.0	–	–	–	–	–
43.0	42.0	–	–	–	–	–	–	19.8	–	–	–	–	–

TABLE 4. (cont.)

Glyptocephalus zachirus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	45.0	–	–	–	–	–	–	5.6	–	–	–	–	–
43.0	60.0	–	–	–	–	–	–	2.7	–	–	–	–	–
47.0	50.0	–	–	0.0	–	–	–	10.6	–	–	–	–	–
47.0	55.0	–	–	4.8	–	–	–	0.0	–	–	–	–	–
53.0	52.0	–	–	–	–	–	9.2	0.0	–	–	–	–	–
60.0	55.0	0.0	–	–	0.0	2.9	0.0	0.0	–	–	–	0.0	–
60.0	60.0	–	–	–	0.0	6.5	5.8	0.0	–	–	–	0.0	–
60.0	70.0	–	–	–	0.0	0.0	9.2	0.0	–	–	–	0.0	–
67.0	60.0	0.0	–	–	0.0	3.1	0.0	0.0	–	–	0.0	–	–
70.0	60.0	–	–	0.0	0.0	3.4	0.0	0.0	–	–	0.0	–	–
80.0	60.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	–	–	0.0	0.0	0.0

Hypsopsetta guttulata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	1.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	40.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
93.0	27.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0

Isopsetta isolepis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	42.0	–	–	–	–	–	–	2.5	–	–	–	–	–

Lyopsetta exilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	38.0	–	–	–	–	–	–	5.5	–	–	–	–	–
40.0	40.0	–	–	–	–	–	–	2.5	–	–	–	–	–
40.0	45.0	–	–	–	–	–	–	2.8	–	–	–	–	–
43.0	42.0	–	–	–	–	–	–	12.4	–	–	–	–	–
43.0	45.0	–	–	–	–	–	–	5.6	–	–	–	–	–
43.0	55.0	–	–	–	–	–	–	3.3	–	–	–	–	–
47.0	50.0	–	–	0.0	–	–	–	8.5	–	–	–	–	–
53.0	52.0	–	–	–	–	–	12.3	0.0	–	–	–	–	–
57.0	51.0	–	–	–	–	–	0.0	2.7	–	–	–	–	–
60.0	52.0	–	–	–	0.0	13.6	0.0	3.0	–	–	–	0.0	–
60.0	55.0	0.0	–	–	0.0	2.9	0.0	0.0	–	–	–	0.0	–
63.0	52.0	24.8	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
63.0	55.0	–	–	–	–	2.7	–	2.8	–	–	0.0	–	–
63.0	65.0	–	–	–	–	–	–	3.1	–	–	–	–	–
70.0	55.0	–	–	–	5.6	3.0	3.1	0.0	–	–	0.0	–	–
73.0	55.0	0.0	–	0.0	0.0	0.0	5.7	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lyopsetta exilis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	–	–	–	3.2	0.0	0.0	0.0	–	–	0.0	–	–
80.0	51.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	0.0	0.0	0.0
80.0	55.0	0.0	6.3	0.0	0.0	3.1	2.9	0.0	–	–	0.0	0.0	2.4
82.0	47.0	0.0	0.0	6.2	20.8	5.7	3.2	0.0	–	–	0.0	0.0	0.0
83.0	40.0	–	0.0	0.0	0.0	0.0	1.8	0.0	–	–	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	2.8	1.6	3.2	0.0	–	–	0.0	0.0	0.0
87.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
87.0	55.0	–	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	–	0.0	0.0	0.0	0.0	6.1	0.0	–	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0
97.0	50.0	–	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	0.0	0.0
100.0	30.0	0.0	0.0	0.0	9.0	0.0	–	0.0	–	–	0.0	0.0	0.0
100.0	45.0	–	–	3.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–	0.0	–	–
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	5.7	–	–	0.0	–	–
113.0	35.0	0.0	0.0	0.0	2.9	4.2	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	5.5	15.8	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–
120.0	30.0	–	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Microstomus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	45.0	–	–	–	–	–	–	8.3	–	–	–	–	–
47.0	50.0	–	–	6.0	–	–	–	0.0	–	–	–	–	–
47.0	60.0	–	–	–	–	–	–	3.0	–	–	–	–	–
53.0	60.0	–	–	–	–	–	0.0	3.3	–	–	–	–	–
60.0	70.0	–	–	–	0.0	0.0	3.1	0.0	–	–	–	0.0	–
63.0	60.0	0.0	–	–	–	0.0	2.9	0.0	–	–	0.0	–	–
73.0	60.0	0.0	–	–	0.0	0.0	17.3	0.0	–	–	0.0	–	–
77.0	60.0	0.0	0.0	–	0.0	7.4	0.0	0.0	–	–	0.0	–	–
77.0	75.0	–	–	–	0.0	–	–	2.5	–	–	–	–	–
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	–	–	0.0	0.0	0.0
80.0	60.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0	75.0	–	–	–	3.0	–	–	0.0	–	–	–	–	–
83.0	60.0	0.0	–	0.0	0.0	3.1	0.0	0.0	–	–	0.0	0.0	0.0
83.0	70.0	0.0	–	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	0.0	0.0	0.0	3.2	–	–	–	–	–
90.0	50.0	–	0.0	0.0	–	0.0	3.1	0.0	–	0.0	0.0	0.0	0.0
93.0	45.0	–	0.0	0.0	–	0.0	3.4	0.0	–	0.0	0.0	–	–
97.0	35.0	–	–	–	0.0	0.0	0.0	3.1	–	–	0.0	0.0	0.0
100.0	50.0	0.0	0.0	0.0	–	2.9	0.0	0.0	–	–	–	0.0	0.0
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	–	–

TABLE 4. (cont.)

Parophrys vetulus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	38.0	–	–	–	–	–	–	2.7	–	–	–	–	–
47.0	50.0	–	–	6.0	–	–	–	0.0	–	–	–	–	–
50.0	50.0	–	–	–	–	–	3.3	–	–	–	–	–	–
60.0	55.0	0.0	–	–	3.5	0.0	0.0	0.0	–	–	–	0.0	–
63.0	52.0	2.8	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
63.0	60.0	2.9	–	–	–	0.0	0.0	0.0	–	–	0.0	–	–
73.0	51.0	–	–	–	2.7	0.0	0.0	0.0	–	–	0.0	–	–
73.0	60.0	0.0	–	–	0.0	0.0	2.9	0.0	–	–	0.0	–	–
80.0	51.0	2.4	6.8	0.0	0.0	0.0	0.0	2.5	–	–	0.0	0.0	0.0
80.0	55.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0	60.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	–	–	0.0	0.0	0.0
82.0	47.0	2.6	3.0	0.0	0.0	5.7	0.0	0.0	–	–	0.0	0.0	0.0
83.0	43.0	2.3	7.0	6.0	11.1	0.0	0.0	3.2	–	–	0.0	0.0	0.0
83.0	51.0	0.0	1.5	0.0	25.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	55.0	0.0	–	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	35.0	0.0	0.0	0.0	3.4	2.6	2.8	0.0	–	–	0.0	0.0	0.0
90.0	28.0	–	0.0	3.3	3.2	5.8	0.0	0.0	–	0.0	0.0	0.0	0.0
90.0	30.0	–	0.0	0.0	18.6	5.3	0.0	0.0	–	0.0	0.0	0.0	–
93.0	27.0	0.0	4.9	2.9	2.9	0.0	2.7	0.0	–	0.0	0.0	0.0	0.0
97.0	30.0	–	0.0	0.0	3.1	10.5	0.0	0.0	–	–	0.0	0.0	0.0
97.0	32.0	–	0.0	0.0	0.0	14.3	–	0.0	–	–	0.0	0.0	0.0
100.0	29.0	–	–	–	3.3	0.0	0.0	–	–	–	0.0	0.0	0.0
100.0	30.0	0.0	3.0	3.4	6.0	0.0	–	0.0	–	–	0.0	0.0	0.0
103.0	30.0	0.0	0.0	6.2	14.1	0.0	5.3	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	–
103.0	50.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
103.0	55.0	–	–	–	3.4	0.0	0.0	0.0	–	–	0.0	–	–
107.0	32.0	0.0	0.0	3.1	0.0	–	0.0	0.0	–	–	0.0	–	–
107.0	50.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	–	–	0.0	–	–
110.0	33.0	0.0	0.0	0.0	4.8	20.6	0.0	0.0	0.0	3.0	0.0	–	–
110.0	35.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	40.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
110.0	45.0	–	–	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	30.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	30.0	–	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	35.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	40.0	–	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	0.0	–	–
120.0	50.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Pleuronichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.8	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	–	–	0.0	0.0	0.0
93.0	35.0	–	3.1	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Pleuronichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	30.0	–	1.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	32.0	–	1.3	0.0	0.0	0.0	–	0.0	–	–	0.0	0.0	0.0
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	2.9	–	–	0.0	–	–
113.0	40.0	0.0	0.0	0.0	2.3	0.0	0.0	–	0.0	0.0	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
143.0	26.0	0.0	2.2	0.0	–	–	–	–	–	–	0.0	–	–

Pleuronichthys coenosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	–	–	2.8	0.0	0.0
83.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	0.0	0.0
87.0	50.0	–	–	0.0	0.0	2.7	0.0	0.0	–	–	0.0	0.0	0.0
110.0	60.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Pleuronichthys decurrens

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	–	–	–	–	–	–	3.9	–	–	–	–	–
70.0	65.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
80.0	80.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	37.0	–	–	0.0	0.0	3.1	0.0	0.0	–	0.0	0.0	0.0	0.0

Pleuronichthys ritteri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	0.0	0.0
93.0	30.0	0.0	3.4	0.0	0.0	0.0	3.1	0.0	–	0.0	0.0	0.0	0.0

Pleuronichthys verticalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	–	–	–	0.0	0.0	2.6	0.0	–	–	0.0	–	–
97.0	30.0	–	1.8	0.0	0.0	0.0	0.0	0.0	–	–	6.7	0.0	0.0
97.0	32.0	–	0.0	0.0	0.0	0.0	–	0.0	–	–	2.4	0.0	0.0
100.0	32.0	3.0	0.0	0.0	–	–	–	–	–	–	–	–	–
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	2.8	–	–	–

TABLE 4. (cont.)

Psettichthys melanostictus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	38.0	–	–	–	–	–	–	19.1	–	–	–	–	–
40.0	40.0	–	–	–	–	–	–	5.1	–	–	–	–	–
43.0	42.0	–	–	–	–	–	–	2.5	–	–	–	–	–
60.0	55.0	0.0	–	–	0.0	0.0	5.6	0.0	–	–	–	0.0	–
63.0	52.0	0.0	–	–	0.0	0.0	0.0	8.5	–	–	0.0	–	–

Symphurus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	0.0	0.0
90.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	3.4	0.0	0.0	–
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.3	0.0	0.0	0.0
93.0	35.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	7.6	3.1	0.0	0.0
97.0	30.0	–	0.0	0.0	0.0	5.3	0.0	0.0	–	–	0.0	0.0	0.0
103.0	45.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	–	–
113.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.2	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–
118.5	35.0	–	–	–	–	–	–	–	0.0	10.5	–	–	–
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.1	–	–
120.0	25.0	–	0.0	0.0	0.0	0.0	0.0	0.0	5.3	–	0.0	–	–
120.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	6.3	55.9	12.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	2.0	–	–
120.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	–	–
130.0	30.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.6	–	–
133.0	30.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.0	28.9	–	–
140.0	30.0	2.7	0.0	0.0	–	–	–	–	–	–	0.0	–	–
143.0	26.0	0.0	2.2	0.0	–	–	–	–	–	–	0.0	–	–

Balistidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	16.0	0.0	–	–	–	–	–	–	–	–	3.0	–	–

TABLE 4. (cont.)

Disintegrated fish larva

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0 55.0	-	-	4.8	-	-	-	0.0	-	-	-	-	-
63.0 100.0	-	-	-	-	-	-	-	-	-	-	2.4	-
63.0 110.0	-	-	-	3.4	-	-	-	-	-	-	-	-
70.0 70.0	0.0	-	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
70.0 75.0	-	-	-	0.0	-	-	2.8	-	-	-	-	-
70.0 90.0	2.7	-	0.0	0.0	2.6	0.0	0.0	-	-	-	0.0	-
70.0 100.0	-	-	-	4.1	-	-	0.0	-	-	-	0.0	-
73.0 65.0	-	-	-	3.3	-	-	0.0	-	-	0.0	-	-
73.0 70.0	-	-	-	0.0	0.0	2.9	0.0	-	-	0.0	-	-
73.0 75.0	-	-	-	2.7	-	-	0.0	-	-	-	-	-
77.0 55.0	0.0	0.0	-	0.0	0.0	0.0	6.5	-	-	0.0	-	-
77.0 60.0	2.9	0.0	-	3.2	0.0	0.0	0.0	-	-	0.0	-	-
77.0 90.0	-	-	0.0	3.2	0.0	0.0	0.0	-	-	-	0.0	-
80.0 51.0	0.0	2.3	0.0	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
80.0 55.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.8	0.0
80.0 60.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0 70.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0 110.0	-	-	-	2.9	-	-	-	-	-	-	-	-
82.0 47.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0 43.0	9.2	17.5	3.0	0.0	4.9	0.0	0.0	-	-	0.0	0.0	0.0
83.0 51.0	3.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0 55.0	3.1	-	0.0	0.0	2.4	0.0	0.0	-	-	0.0	-	0.0
83.0 60.0	0.0	-	3.6	0.0	3.1	0.0	0.0	-	-	0.0	0.0	0.0
83.0 80.0	-	-	0.0	3.3	0.0	0.0	2.7	-	-	0.0	-	-
83.0 85.0	-	-	-	-	0.0	5.9	0.0	-	-	-	-	-
87.0 35.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0 40.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0 45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0 50.0	-	-	3.2	2.8	0.0	0.0	7.7	-	-	0.0	0.0	0.0
87.0 60.0	-	0.0	3.5	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0 65.0	-	-	-	0.0	0.0	0.0	2.9	-	-	-	-	-
87.0 70.0	-	0.0	0.0	0.0	2.3	3.1	0.0	-	-	0.0	-	-
87.0 90.0	-	-	-	-	2.9	0.0	0.0	-	-	0.0	-	-
90.0 30.0	-	2.9	0.0	3.1	0.0	0.0	0.0	-	1.7	0.0	0.0	-
90.0 37.0	-	-	0.0	6.5	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
90.0 45.0	-	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0 50.0	-	5.5	8.1	-	2.7	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0 55.0	-	0.0	7.6	0.0	0.0	0.0	0.0	-	2.9	0.0	0.0	0.0
90.0 60.0	-	0.0	3.3	11.3	3.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0 65.0	-	-	-	0.0	0.0	0.0	0.0	-	3.4	-	-	-
90.0 70.0	-	2.6	3.1	0.0	0.0	0.0	-	-	1.3	0.0	0.0	0.0
90.0 75.0	-	-	-	4.6	6.9	0.0	0.0	-	-	-	-	-
90.0 80.0	-	0.0	4.4	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0 90.0	-	0.0	0.0	0.0	0.0	6.0	3.2	-	-	0.0	-	-
93.0 27.0	0.0	24.4	0.0	2.9	0.0	0.0	0.0	-	0.7	0.0	0.0	0.0
93.0 30.0	3.4	6.9	0.0	0.0	0.0	3.1	0.0	-	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	45.0	-	3.1	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-
93.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	3.5	0.0	0.0	3.2	0.0	-	1.6	0.0	0.0	0.0
93.0	65.0	-	-	-	0.0	0.0	3.3	4.9	-	0.0	-	-	-
93.0	70.0	0.0	-	0.0	0.0	2.9	0.0	0.0	-	1.8	2.4	0.0	0.0
93.0	80.0	0.0	2.8	0.0	0.0	0.0	3.3	0.0	-	-	0.0	0.0	0.0
97.0	30.0	-	3.9	5.1	0.0	2.6	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	2.6	3.4	18.4	0.0	-	0.0	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	0.0	0.0	3.1	-	-	0.0	0.0	0.0
97.0	40.0	-	1.5	0.0	0.0	2.7	0.0	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	2.9	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
97.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	13.9	0.0
97.0	60.0	3.2	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	0.0	0.0
97.0	65.0	-	-	-	0.0	6.4	0.0	0.0	-	-	-	-	-
97.0	70.0	3.3	0.0	0.0	3.4	0.0	0.0	0.0	-	-	0.0	-	-
97.0	75.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	-
97.0	90.0	-	-	-	-	2.7	0.0	0.0	-	-	0.0	-	-
100.0	29.0	-	-	-	0.0	3.2	0.0	-	-	-	0.0	0.0	0.0
100.0	32.0	3.0	9.6	0.0	-	-	-	-	-	-	-	-	-
100.0	40.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
100.0	50.0	0.0	2.4	0.0	-	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	55.0	-	-	-	0.0	0.0	0.0	2.7	-	-	0.0	-	-
100.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	75.0	-	-	-	0.0	0.0	0.0	5.1	-	-	-	-	-
100.0	80.0	3.4	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
103.0	30.0	0.0	10.6	0.0	2.8	2.7	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-	0.0	-	-
103.0	45.0	-	-	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	50.0	3.1	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	-	-
103.0	70.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-
103.0	90.0	-	-	-	0.0	0.0	-	0.0	-	-	5.3	-	-
107.0	32.0	0.0	0.0	3.1	0.0	-	0.0	5.7	-	-	0.0	-	-
107.0	35.0	3.0	2.6	0.0	4.6	0.0	0.0	0.0	-	-	-	-	-
107.0	55.0	-	-	-	0.0	6.7	0.0	0.0	-	-	0.0	-	-
107.0	80.0	-	-	-	0.0	0.0	-	0.0	-	-	2.7	-	-
107.0	85.0	-	-	-	0.0	0.0	-	2.7	-	-	-	-	-
110.0	33.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	-	-
110.0	35.0	20.5	0.0	0.0	2.9	0.0	0.0	2.8	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-
110.0	45.0	-	-	3.3	0.0	0.0	0.0	0.0	-	-	2.4	-	-
110.0	60.0	0.0	0.0	0.0	2.8	3.0	0.0	0.0	-	-	0.0	-	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
110.0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	90.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	2.4	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-
113.0	40.0	2.3	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	4.5	-	-
113.0	45.0	-	0.0	0.0	0.0	0.0	0.0	3.3	-	-	0.0	-	-
113.0	55.0	-	-	-	2.7	0.0	0.0	0.0	-	-	5.9	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.5	-	-
113.0	70.0	0.0	-	3.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	85.0	-	-	-	2.9	0.0	-	-	-	-	-	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	30.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.1	-	-
117.0	35.0	0.0	0.0	5.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	0.0	6.5	0.0	0.0	0.0	-	-	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	3.1	0.0	0.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	0.0	-	2.9	-	-	0.0	-	-
118.0	39.0	3.2	3.5	2.8	0.0	0.0	0.0	0.0	-	-	2.6	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	6.1	-	-	-
119.0	33.0	2.9	6.2	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-
120.0	25.0	-	6.0	0.0	0.0	2.7	0.0	0.0	0.0	-	0.0	-	-
120.0	30.0	-	0.0	2.9	14.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	2.7	2.0	-	-
120.0	40.0	-	0.0	0.0	23.5	0.0	3.9	0.0	0.0	-	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.9	-	-
120.0	55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	0.0	5.8	0.0	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	-	0.0	0.0	2.3	0.0	-	-	-	-	-
120.0	70.0	0.0	3.2	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	85.0	-	-	-	2.7	0.0	0.0	0.0	-	-	-	-	-
123.0	37.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	7.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	0.0	-	-	0.0	2.7	-	0.0	-	-
123.0	60.0	0.0	2.3	0.0	0.0	7.3	0.0	0.0	-	-	0.0	-	-
127.0	34.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	3.4	0.0	6.9	-	-
127.0	50.0	0.0	3.2	0.0	0.0	0.0	0.0	3.5	-	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	3.0	0.0	0.0	2.8	0.0	0.0	0.0	6.6	0.0	0.0	-	-
130.0	45.0	-	2.7	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-
130.0	50.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	3.3	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-
133.0	25.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	35.0	-	0.0	3.7	-	0.0	0.0	3.0	-	-	2.8	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	40.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	3.1	–	–
133.0	45.0	–	–	–	4.9	0.0	0.0	0.0	–	–	0.0	–	–
133.0	50.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	23.0	5.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	3.5	0.0	–	–
137.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	–	–	0.0	–	–
137.0	40.0	2.9	17.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	45.0	–	–	–	2.5	0.0	0.0	0.0	–	–	0.0	–	–
137.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–
137.0	55.0	–	–	–	0.0	–	–	0.0	–	–	2.7	–	–
140.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	10.8	–	–
140.0	40.0	0.0	3.0	0.0	–	–	–	–	–	–	0.0	–	–
140.0	60.0	2.6	–	–	–	–	–	–	–	–	0.0	–	–
143.0	35.0	0.0	3.5	0.0	–	–	–	–	–	–	0.0	–	–
147.0	20.0	0.0	0.0	3.6	–	–	–	–	–	–	2.7	–	–
147.0	30.0	6.3	0.0	3.1	–	–	–	–	–	–	0.0	–	–
147.0	40.0	0.0	6.4	0.0	–	–	–	–	–	–	0.0	–	–
150.0	25.0	3.5	0.0	0.0	–	–	–	–	–	–	2.9	–	–
150.0	30.0	3.4	3.2	0.0	–	–	–	–	–	–	0.0	–	–
150.0	40.0	0.0	5.8	0.0	–	–	–	–	–	–	0.0	–	–
153.0	30.0	0.0	–	–	–	–	–	–	–	–	2.9	–	–
153.0	60.0	–	–	–	–	–	–	–	–	–	3.1	–	–
157.0	10.0	6.6	–	–	–	–	–	–	–	–	–	–	–
157.0	20.0	7.6	–	–	–	–	–	–	–	–	–	–	–
157.0	30.0	4.8	–	–	–	–	–	–	–	–	–	–	–
157.0	40.0	3.0	–	–	–	–	–	–	–	–	–	–	–

Unidentified fish larva

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	55.0	–	–	2.4	–	–	–	0.0	–	–	–	–	–
50.0	55.0	–	–	–	–	–	5.7	–	–	–	–	–	–
60.0	90.0	–	–	–	0.0	31.9	0.0	0.0	–	–	–	0.0	–
63.0	55.0	–	–	–	–	2.7	–	0.0	–	–	0.0	–	–
67.0	50.0	–	–	–	3.2	0.0	0.0	0.0	–	–	0.0	–	–
67.0	70.0	–	–	–	0.0	8.3	0.0	0.0	–	–	0.0	–	–
70.0	52.0	–	–	0.0	0.0	2.6	0.0	0.0	–	–	–	–	–
70.0	70.0	0.0	–	0.0	0.0	3.7	0.0	0.0	–	–	0.0	–	–
73.0	60.0	0.0	–	–	0.0	11.8	0.0	0.0	–	–	0.0	–	–
73.0	70.0	–	–	–	0.0	6.1	0.0	0.0	–	–	0.0	–	–
77.0	90.0	–	–	0.0	0.0	0.0	3.0	3.2	–	–	–	0.0	–
82.0	47.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	40.0	–	0.0	0.0	0.0	0.0	0.0	4.1	–	–	0.0	0.0	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	–	–	0.0	0.0	0.0
83.0	51.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	–	–	0.0	0.0	0.0

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	5.7	0.0
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	2.1	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	3.1	0.0	0.0	0.0	-	0.0	0.0	0.0	-
90.0	37.0	-	-	0.0	0.0	3.1	0.0	0.0	-	0.0	0.0	0.0	0.0
90.0	45.0	-	0.0	0.0	2.7	0.0	0.0	0.0	-	1.6	0.0	0.0	0.0
90.0	50.0	-	0.0	0.0	-	0.0	3.1	0.0	-	0.0	0.0	0.0	0.0
90.0	85.0	-	-	-	0.0	0.0	0.0	3.3	-	-	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	1.5	0.0	0.0	0.0
93.0	35.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.9	0.0	0.0	0.0
93.0	55.0	-	-	-	2.8	0.0	3.0	0.0	-	0.0	0.0	-	-
93.0	90.0	-	-	-	-	0.0	0.0	6.7	-	-	0.0	-	-
97.0	30.0	-	0.9	0.0	3.1	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	32.0	-	0.0	0.0	0.0	0.0	-	6.8	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	0.0	2.9	0.0	0.0	-	-	0.0	0.0	0.0
97.0	40.0	-	0.0	0.0	0.0	0.0	3.1	0.0	-	-	0.0	0.0	0.0
97.0	45.0	-	0.0	0.0	0.0	2.8	0.0	0.0	-	-	0.0	-	-
97.0	50.0	-	1.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	0.0	0.0
100.0	45.0	-	-	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
100.0	60.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	80.0	3.4	0.0	0.0	0.0	2.8	3.0	0.0	-	-	2.3	-	-
100.0	85.0	-	-	-	0.0	0.0	0.0	6.1	-	-	-	-	-
100.0	90.0	6.4	0.0	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
103.0	30.0	0.0	3.5	3.1	2.8	0.0	2.7	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	6.4	0.0	0.0	2.5	-	-	0.0	-	-
103.0	45.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	4.4	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
103.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.2	-	-
103.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	2.9	-	-
103.0	80.0	-	-	-	0.0	3.1	-	0.0	-	-	0.0	-	-
107.0	35.0	0.0	2.6	0.0	4.6	0.0	0.0	2.7	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	7.0	0.0	-	0.0	-	-	0.0	-	-
110.0	33.0	0.0	2.8	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-
110.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	80.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	46.2	0.0	0.0	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	26.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	0.0	6.5	0.0	0.0	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	3.1	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	65.0	-	-	-	0.0	0.0	2.3	0.0	-	-	-	-	-
117.0	70.0	3.1	-	0.0	0.0	0.0	0.0	6.2	-	-	0.0	-	-
118.0	39.0	0.0	0.0	5.7	6.4	0.0	0.0	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	3.1	0.0	-	-	-
118.5	30.0	-	-	-	-	-	-	-	9.3	5.7	-	-	-
118.5	35.0	-	-	-	-	-	-	-	0.0	2.6	-	-	-
119.0	33.0	2.9	6.2	0.0	0.0	0.0	0.0	0.0	3.4	2.7	0.0	-	-
120.0	25.0	-	0.0	1.5	0.0	0.0	0.0	2.5	2.7	-	0.0	-	-
120.0	30.0	-	0.0	2.9	0.0	0.0	0.0	2.9	3.1	0.0	0.0	-	-
120.0	35.0	3.5	0.0	0.0	0.0	0.0	0.0	3.3	0.0	8.2	0.0	-	-
120.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	12.8	-	0.0	-	-
120.0	45.0	0.0	0.0	0.0	2.5	0.0	0.0	6.5	0.0	0.0	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	-	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-	-
123.0	55.0	-	-	-	0.0	0.0	8.4	0.0	-	-	0.0	-	-
123.0	60.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
123.0	70.0	0.0	-	-	3.1	-	-	0.0	-	-	0.0	-	-
123.0	80.0	-	-	-	0.0	-	-	-	-	-	6.7	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.6	0.0	9.8	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	-	-
127.0	50.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	-	-	0.0	0.0	-	0.0	-	-	5.8	-	-
127.0	70.0	0.0	-	-	2.8	-	-	-	-	-	2.8	-	-
127.0	80.0	-	-	-	0.0	-	-	-	-	-	2.9	-	-
130.0	35.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-
130.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-
130.0	50.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	0.0	0.0	0.0	2.9	0.0	-	0.0	-	-	2.6	-	-
133.0	25.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	3.5	0.0	-	-
133.0	30.0	0.0	28.7	0.0	0.0	0.0	0.0	0.0	3.3	0.0	2.6	-	-
133.0	35.0	-	14.4	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-	3.1	-	-
133.0	60.0	2.9	-	-	-	-	-	0.0	-	-	0.0	-	-
137.0	23.0	1.7	7.2	0.0	0.0	0.0	0.0	2.6	28.7	7.0	31.1	-	-
137.0	30.0	0.0	2.5	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-	0.0	-	-
140.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	52.4	-	-
140.0	35.0	0.0	3.0	0.0	-	-	-	-	-	-	2.7	-	-
140.0	40.0	0.0	3.0	0.0	-	-	-	-	-	-	0.0	-	-
140.0	45.0	-	-	-	-	-	-	-	-	-	2.7	-	-
140.0	50.0	0.0	0.0	0.0	-	-	-	-	-	-	2.5	-	-
143.0	26.0	0.0	0.0	0.0	-	-	-	-	-	-	2.0	-	-
143.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	5.5	-	-
143.0	35.0	0.0	0.0	0.0	-	-	-	-	-	-	2.6	-	-
143.0	40.0	0.0	0.0	0.0	-	-	-	-	-	-	5.3	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	50.0	0.0	-	-	-	-	-	-	-	-	18.6	-	-
147.0	20.0	3.0	0.0	0.0	-	-	-	-	-	-	24.5	-	-
147.0	25.0	0.0	2.4	0.0	-	-	-	-	-	-	2.6	-	-
147.0	30.0	0.0	5.5	0.0	-	-	-	-	-	-	2.8	-	-
147.0	35.0	-	-	-	-	-	-	-	-	-	5.3	-	-
147.0	40.0	0.0	0.0	3.6	-	-	-	-	-	-	2.6	-	-
147.0	45.0	-	-	-	-	-	-	-	-	-	5.7	-	-
147.0	55.0	-	-	-	-	-	-	-	-	-	2.6	-	-
150.0	19.0	0.0	0.0	0.0	-	-	-	-	-	-	2.7	-	-
150.0	25.0	3.5	0.0	0.0	-	-	-	-	-	-	20.1	-	-
150.0	40.0	0.0	5.8	0.0	-	-	-	-	-	-	7.6	-	-
150.0	50.0	-	-	-	-	-	-	-	-	-	5.4	-	-
153.0	16.0	2.7	-	-	-	-	-	-	-	-	3.0	-	-
153.0	20.0	12.6	-	-	-	-	-	-	-	-	6.0	-	-
153.0	25.0	-	-	-	-	-	-	-	-	-	2.7	-	-
153.0	35.0	-	-	-	-	-	-	-	-	-	2.7	-	-
153.0	50.0	2.2	-	-	-	-	-	-	-	-	0.0	-	-
153.0	55.0	-	-	-	-	-	-	-	-	-	2.9	-	-
157.0	20.0	11.4	-	-	-	-	-	-	-	-	-	-	-
157.0	30.0	4.8	-	-	-	-	-	-	-	-	-	-	-
157.0	40.0	14.8	-	-	-	-	-	-	-	-	-	-	-
157.0	50.0	2.6	-	-	-	-	-	-	-	-	-	-	-

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as Table 4.

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Albula vulpes	3	-	-	-	-	-	1	-	-	-
Anguilliformes	35	26	15	30	4	11	33	36	33	16
Etrumeus acuminatus	25	18	28	28	5	8	27	45	31	29
Opisthonema spp.	1	4	-	1	-	4	3	4	1	-
Sardinops sagax	167	269	221	375	255	167	174	193	172	142
Engraulidae	-	-	-	-	1	-	-	2	2	-
Engraulis mordax	394	524	686	760	569	537	581	785	888	979
Alepocephalidae	2	-	-	-	1	-	-	-	-	-
Argentina sialis	55	68	89	110	81	77	56	31	30	53
Microstoma microstoma	21	28	18	39	22	17	16	34	25	23
Nansenia candida	29	17	18	27	8	13	7	17	13	20
Nansenia crassa	50	63	65	47	61	32	74	49	27	38
Bathylagus spp.	-	-	-	1	3	1	4	13	7	3
Bathylagus milleri	1	-	-	1	1	2	-	1	1	1
Bathylagus ochotensis	153	222	208	195	162	171	111	237	106	190
Bathylagus pacificus	12	15	4	11	2	-	2	24	13	2
Bathylagus wesethi	259	370	258	365	286	157	298	377	275	184
Leuroglossus schmidti	-	-	-	-	-	3	-	-	-	-
Leuroglossus stilbius	402	502	612	517	508	465	343	350	324	505
Osmeridae	-	-	-	-	-	2	-	-	-	2
Stomiiformes	-	1	16	6	3	3	2	9	13	17
Cyclothone spp.	253	283	161	184	184	74	240	317	514	271
Diplophos taenia	8	1	-	4	1	3	3	28	36	18
Ichthyococcus spp.	16	23	12	26	30	3	18	37	43	8
Vinciguerria lucetia	532	474	329	425	338	225	574	882	1209	635
Sternoptychidae	38	67	68	49	41	29	63	86	94	66
Chauliodus macouni	55	69	47	54	49	54	48	75	72	69
Idiacanthus antrostomus	48	31	14	19	10	6	19	33	38	36
Aristostomias scintillans	16	8	10	2	4	2	10	11	11	5
Bathophilus spp.	4	-	2	1	5	3	4	4	7	10
Tactostoma macropus	20	15	-	11	-	-	9	2	2	7
Stomias atriventer	96	120	86	124	87	20	67	182	181	142
Myctophiformes	-	-	-	-	-	-	-	-	-	2
Anotopterus pharao	1	-	-	-	-	-	1	-	-	-
Evermannellidae	-	-	-	-	1	-	-	-	6	3
Paralepididae	169	179	95	123	80	59	92	145	165	108
Aulopus spp.	1	-	-	-	-	-	1	-	-	-
Scopelosaurus spp.	-	-	-	-	1	1	-	3	16	15
Scopelarchidae	59	54	17	28	34	16	43	50	93	63
Myctophidae	99	186	59	53	60	55	175	174	245	317
Ceratoscopelus townsendi	140	78	33	41	58	36	165	159	373	156
Diaphus spp.	116	156	63	111	81	101	66	90	103	76
Lampadena urophaos	39	22	-	10	10	14	63	44	120	46
Lampanyctus spp.	576	555	393	154	58	45	125	121	260	209
Lampanyctus regalis	-	-	-	19	19	14	26	28	46	12
Lampanyctus ritteri	-	-	-	308	296	214	306	416	429	311

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Notolychnus valdiviae	5	4	4	2	1	2	-	1	3	12
Notoscopelus resplendens	16	4	10	8	23	1	31	24	76	64
Stenobrachius leucopsarus	369	405	365	452	251	395	267	361	327	386
Triphoturus mexicanus	589	715	573	565	475	322	641	768	1069	808
Centrobranchus spp.	-	-	-	-	-	-	-	-	-	1
Diogenichthys spp.	10	3	2	-	6	3	30	35	79	97
Diogenichthys atlanticus	109	112	68	87	90	85	109	126	116	121
Diogenichthys laternatus	230	233	232	346	265	113	412	416	442	210
Electrona rissoi	15	4	4	-	1	-	-	-	2	1
Gonichthys tenuiculus	49	44	38	45	37	12	81	126	181	55
Hygophum spp.	29	20	23	10	6	6	15	47	91	73
Hygophum atratum	47	35	33	36	43	22	88	96	138	21
Hygophum proximum	-	-	-	-	-	-	-	-	-	2
Hygophum reinhardtii	17	14	1	5	13	7	20	6	16	44
Loweina rara	19	18	33	29	14	5	7	8	9	10
Myctophum aurolaternatum	6	-	-	1	1	4	3	13	4	4
Myctophum nitidulum	30	34	7	11	13	13	27	56	105	43
Protomyctophum crockeri	370	345	211	293	312	243	254	360	424	417
Symbolophorus californiensis	206	183	132	146	102	60	142	216	191	109
Tarletonbeania crenularis	306	399	243	164	103	236	116	90	113	222
Synodus spp.	41	63	44	82	41	39	70	53	66	51
Bregmaceros spp.	2	-	-	1	3	-	13	11	13	19
Merluccius productus	351	366	417	543	439	365	331	541	340	468
Moridae	1	-	-	-	-	-	5	-	-	-
Physiculus spp.	9	-	-	-	-	2	8	5	2	3
Macrouridae	5	4	6	15	3	6	2	7	3	4
Ophidiiformes	68	53	52	37	26	37	74	61	43	41
Brosmophycis marginata	9	18	9	19	6	12	14	16	10	3
Carapidae	2	1	1	3	1	2	-	4	-	1
Chilara taylori	6	17	-	8	14	9	6	-	17	8
Ophidion scrippsae	17	13	5	17	4	19	53	15	44	43
Porichthys spp.	2	-	1	-	-	-	-	-	-	1
Antennariidae	1	-	-	-	-	-	1	-	-	-
Ceratioidei	3	3	-	2	-	2	16	16	50	19
Lophiidae	-	-	-	-	-	-	-	-	1	-
Gobiesocidae	-	1	-	-	1	-	1	1	-	1
Exocoetidae	8	2	6	1	-	1	5	1	6	4
Hemiramphidae	5	-	-	-	-	-	1	1	-	-
Cololabis saira	53	28	42	22	54	23	14	28	20	16
Atherinidae	2	6	3	7	3	3	1	2	1	1
Trachipteridae	32	40	28	17	13	12	28	31	12	32
Melamphaes spp.	221	233	151	189	166	138	212	238	209	157
Poromitra spp.	1	4	12	28	4	18	21	4	17	19
Scopeloberyx robustus	-	-	-	-	-	-	-	-	-	3
Scopelogadus bispinosus	4	4	1	15	6	5	26	27	60	26
Fistulariidae	-	-	-	-	-	-	-	1	-	-
Macroramphosus gracilis	1	-	-	-	2	-	2	-	1	1
Syngnathus spp.	5	6	12	4	6	2	5	2	3	7

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Agonidae	2	4	12	23	10	7	11	11	8	8
Anoplopoma fimbria	-	1	1	-	-	-	-	-	-	-
Cottidae	24	36	22	49	57	37	31	20	27	30
Scorpaenichthys marmoratus	6	8	3	17	4	13	3	6	4	6
Cyclopteridae	4	13	16	8	5	8	3	4	2	11
Hexagrammidae	1	-	-	-	-	-	1	2	-	1
Ophiodon elongatus	-	1	-	-	2	1	1	3	-	-
Oxylebius pictus	-	-	4	3	-	7	4	12	3	9
Zaniolepis spp.	-	1	9	5	4	9	2	6	6	9
Scorpaenidae	10	9	2	-	-	1	1	-	2	2
Scorpaena spp.	-	-	-	-	-	15	30	9	28	29
Sebastes spp.	600	686	771	841	637	613	558	665	602	572
Sebastolobus spp.	24	16	2	1	-	2	5	2	10	25
Prionotus spp.	24	19	12	13	-	19	30	25	28	17
Blennioidei	2	-	-	-	-	1	2	-	-	1
Bathymasteridae	-	-	-	-	-	-	-	-	-	1
Hypsoblennius spp.	18	32	38	27	14	11	26	51	59	47
Clinidae	7	4	12	19	15	17	14	20	15	18
Gobiidae	116	107	61	113	56	71	93	84	108	67
Icosteus aenigmaticus	1	4	-	-	-	1	-	-	2	3
Labridae	74	135	93	124	57	39	97	82	122	75
Pomacentridae	-	-	-	14	-	8	24	9	18	2
Chromis punctipinnis	37	27	-	21	4	18	12	16	16	38
Hypsypops rubicundus	-	-	-	-	-	-	-	-	2	-
Mugil spp.	2	-	-	1	-	2	1	-	9	3
Apogonidae	1	-	2	-	-	-	-	3	5	4
Brama spp.	4	1	-	2	2	-	15	5	9	6
Carangidae	15	14	-	9	-	9	10	15	26	12
Seriola spp.	-	-	-	1	-	-	-	-	1	1
Seriola lalandi	-	-	-	5	2	11	36	7	36	21
Trachurus symmetricus	372	419	322	373	369	217	295	328	286	227
Coryphaena hippurus	-	-	-	-	-	6	24	13	27	7
Gerreidae	-	-	-	-	-	-	13	5	7	8
Haemulidae	-	-	-	-	-	-	14	6	11	17
Girella nigricans	-	5	-	1	-	3	3	4	2	4
Medialuna californiensis	9	11	-	17	5	5	12	2	1	4
Caulolatilus princeps	-	-	-	12	4	8	10	2	10	9
Mullidae	-	-	-	-	-	-	-	-	6	-
Priacanthidae	-	-	-	-	-	-	-	-	1	-
Sciaenidae	12	61	30	90	61	58	70	76	71	74
Serranidae	20	29	10	29	1	8	17	31	66	39
Gempylidae	2	1	-	-	-	-	-	6	4	10
Scombridae	-	1	-	1	2	-	7	4	3	40
Auxis spp.	9	1	1	1	-	9	23	3	20	-
Euthynnus spp.	-	-	-	-	-	-	-	-	3	-
Sarda chiliensis	-	-	-	-	-	4	1	2	9	2
Scomber japonicus	59	73	97	119	93	39	71	81	65	45
Scomberomorus spp.	1	-	-	-	-	1	1	3	2	-

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Thunnus albacares	-	-	-	-	-	-	-	8	2	-
Trichiuridae	23	31	16	36	25	28	47	24	61	45
Sphyraena argentea	14	16	5	6	3	14	15	15	27	28
Icichthys lockingtoni	125	139	114	125	105	95	70	79	74	86
Nomeidae	-	-	-	-	-	-	5	2	9	3
Peprilus simillimus	14	50	28	38	47	34	37	26	22	12
Tetragonurus cuvieri	29	17	8	10	65	146	124	17	26	29
Chiasmodontidae	24	33	16	31	24	14	57	59	75	34
Uranoscopidae	1	-	-	-	-	-	1	1	1	2
Pleuronectiformes	9	13	48	46	13	6	5	11	5	16
Bothidae	-	1	-	-	-	-	-	-	-	-
Bothus spp.	3	-	1	3	1	2	4	8	4	2
Citharichthys spp.	428	524	561	147	158	82	127	118	121	151
Citharichthys fragilis	-	-	-	152	107	93	125	101	106	137
Citharichthys platophrys	-	-	-	-	-	-	-	-	1	-
Citharichthys sordidus	-	-	-	109	56	59	62	69	48	20
Citharichthys stigmaeus	-	-	-	347	206	207	191	136	134	101
Citharichthys xanthostigma	-	-	-	189	163	106	208	80	118	117
Etropus spp.	-	-	-	4	-	-	16	16	20	14
Hippoglossina spp.	1	-	-	-	-	-	-	-	-	1
Hippoglossina stomata	13	27	42	57	22	34	44	33	32	39
Paralichthys spp.	-	-	-	-	-	-	-	1	-	1
Paralichthys californicus	18	50	19	42	22	23	30	48	37	39
Syacium ovale	5	2	1	3	-	2	6	8	8	1
Xystreurys liolepis	3	16	10	5	4	1	7	2	5	8
Eopsetta jordani	-	1	-	-	-	-	-	-	-	-
Glyptocephalus zachirus	12	25	6	9	5	8	11	14	8	7
Hypsopsetta guttulata	-	-	2	-	-	-	1	3	-	1
Isopsetta isolepis	-	-	-	-	-	-	-	1	-	-
Lyopsetta exilis	51	80	68	116	57	74	90	50	48	50
Microstomus pacificus	28	30	17	17	30	19	26	20	20	15
Parophrys vetulus	-	31	45	51	50	36	39	62	29	30
Pleuronichthys spp.	14	14	10	18	23	18	7	13	7	10
Pleuronichthys coenosus	17	6	13	11	17	3	5	5	5	5
Pleuronichthys decurrens	4	4	4	2	4	2	3	4	4	3
Pleuronichthys ritteri	1	8	9	-	4	5	3	3	2	2
Pleuronichthys verticalis	3	44	24	31	26	33	40	7	7	36
Psettichthys melanostictus	-	-	-	5	-	1	5	5	3	2
Symphurus spp.	45	50	36	35	11	49	80	40	75	64
Balistidae	1	-	-	-	-	-	-	1	-	-
Tetraodontidae	2	-	-	-	1	-	-	-	-	-
Disintegrated fish larva	229	253	74	63	124	103	193	258	361	482
Unidentified fish larva	187	218	284	161	99	100	129	181	272	343

TABLE 6. List of stations with multiple occupancies in one month during 1958. Stations were occupied twice in one month except those indicated by an asterisk, which were occupied three times.

Station			Month
73.0	55.0		1
90.0	80.0		2
90.0	90.0		2
97.0	30.0		2
97.0	32.0		2
97.0	40.0		2
97.0	50.0		2
90.0	28.0	*	9
90.0	30.0	*	9
90.0	37.0	*	9
90.0	45.0	*	9
90.0	50.0	*	9
90.0	55.0	*	9
90.0	60.0	*	9
90.0	65.0		9
90.0	70.0		9
93.0	27.0	*	9
93.0	30.0	*	9
93.0	35.0	*	9
93.0	40.0	*	9
93.0	45.0	*	9
93.0	50.0	*	9
93.0	55.0	*	9
93.0	60.0	*	9
93.0	65.0		9
93.0	70.0		9

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